tp-link

Business Networking

Products Guide

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tp-link

JetStream Stackable Smart Switch
T1700G-28TQ

tp-link
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JetStream

T1700 Series 10-Gigabit Smart Switches

T1700X-16TS

T1700G-28TQ
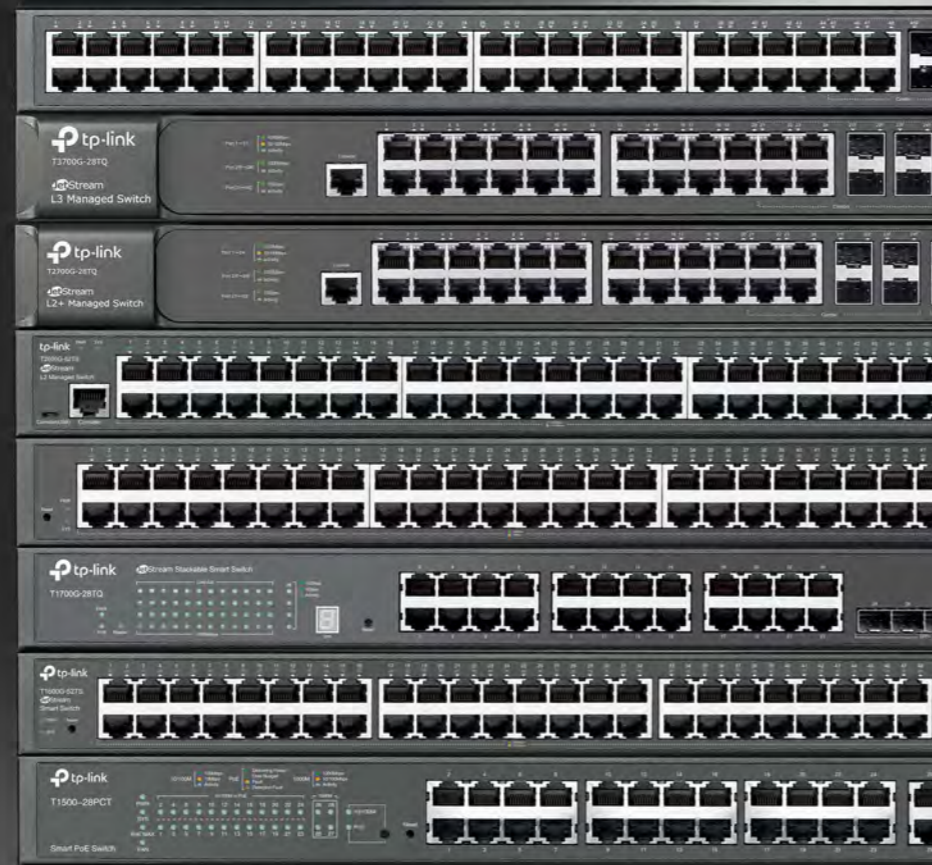
The TP-Link Switch Family

TP-Link provides a variety of switches for business networking solutions, aiming to provide premium network performance while maintaining a competitive cost. Our products are comprised of Unmanaged Switches, Easy Smart Switches, Smart Switches, Jetstream L2 Managed Switches, and Jetstream L2+/L3 Managed Switches.

TP-Link switches are designed to offer reliable and professional choices to businesses of all sizes. Unmanaged switches are well suited for businesses requiring no management or monitoring of their LAN, smart/L2 switches provide a cost-effective solution for small and medium-sized businesses, and L3/L2+ managed switches provide a scalable and stable solution for large organizations, campus networks and ISP networks.

Category	Speed	48	24	16	12	8	5
L3/L2+ Managed Switches	Gigabit	T3710G-52TQ	T3700G-28TQ / T2700G-28TQ				
L2 Managed Switches	Gigabit	T2600G-52TS (TL-SG3452)	T2600G-28MPS (TL-SG3424P) / T2600G-28TS	T2600G-18TS (TL-SG3216)	T2600G-12SC (TL-SG5412F)	T2500G-10TS (TL-SG3210)	
L2 Managed Switches	10/100Mbps	T2500-52TS (TL-SL3452)	T2500-28TC (TL-SL5428E)				
Smart Switches	Full 10 Gigabit			T1700X-16TS			
Smart Switches	Gigabit	T1600G-52PS (TL-SG2452P) / T1600G-52TS (TL-SG2452)	T1600G-28PS (TL-SG2424P) / T1600G-28TS (TL-SG2424) / T1700G-28TQ	T1600G-18TS (TL-SG2216)		T1500G-10PS (TL-SG2210P) / T1500G-8T (TL-SG2008) / T1500G-10MPS	
Smart Switches	10/100Mbps		T1500-28PCT (TL-SL2428P) / T1500-28TC (TL-SL2428)	T1500-18TC (TL-SL2218)			
Easy Smart Switches	Gigabit		TL-SG1024DE	TL-SG1016PE / TL-SG1016DE		TL-SG108PE / TL-SG108E	TL-SG105E
Unmanaged Switches	Gigabit	TL-SG1048	TL-SG1024 / TL-SG1024D	TL-SG1016 / TL-SG1016D		TL-SG1008PE / TL-SG1008 / TL-SG1008P / TL-SG108 / TL-SG1008D	TL-SG105 / TL-SG1005D
Unmanaged Switches	10/100Mbps	TL-SF1048	TL-SF1024D / TL-SF1024 / TL-SF1024M	TL-SF1016DS / TL-SF1016 / TL-SF1016D		TL-SF1008P / TL-SF1008 / TL-SF1008D	TL-SF1005D

L3/L2+ Managed Switches

JetStream Gigabit Ethernet L3/L2+ Managed Switches

Overview

TP-Link's L3/L2+ switches are designed to build highly accessible, scalable, and robust networks. Our L3 managed switches include T3710G-52TQ and T3700G-28TQ, while T2700G-28TQ is an L2+ managed switch. With physical stacking and an optional redundant external power unit, all three provide robust networks with efficient redundancy. T3710G-52TQ and T3700G-28TQ support numerous Layer 3 features including OSPF and PIM, which are critical in the creation of fully resilient and scalable networks.

JetStream 52-Port Gigabit Stackable L3 Managed Switch

T3710G-52TQ

- 48 Gigabit RJ45 Ports, 4 Combo Gigabit SFP and up to 4 10G SFP+ slots
- 1 RJ45 Console Port, 1 Micro-USB Console Port, 1 RJ45 Management Port
- Switching capacity: Up to 176Gbps, Forwarding rate: Up to 130.9Mpps
- Physical Stacking with up to 8 units, 40Gbps Stacking Bandwidth
- 32K MAC Address table and 12KB Jumbo Frame
- 19-inch rack-mountable steel case

JetStream 28-Port Gigabit Stackable L3 Managed Switch

T3700G-28TQ

- 24 Gigabit RJ45 ports, 4 Combo Gigabit SFP and up to 4 10Gbps SFP+ slots,1 RJ45 console port
- Switching capacity: Up to 128Gbps, Forwarding rate: Up to 95.2Mpps
- Up to 320Gbps of Backplane when 8 units in the stack
- 32K MAC address table and 10KB Jumbo Frame
- 19-inch rack-mountable steel case

JetStream 28-Port Gigabit Stackable L2+ Managed Switch

T2700G-28TQ

- 24 Gigabit RJ45 ports, 4 Combo Gigabit SFP and up to 4 10Gbps SFP+ slots,1 RJ45 console port
- Switching capacity: Up to 128Gbps, Forwarding rate: Up to 95.2Mpps
- Up to 320Gbps of Backplane when 8 units in the stack
- 32K MAC address table and 10KB Jumbo Frame
- 19-inch rack-mountable steel case

Features

L2+/L3 Routing and Service Features

- Static Routing
- RIP v1, v2
- OSPF v2*
- PIM-SM/PIM-DM/IGMP*
- DHCP Server/Relay
- ARP Proxy*
- VRRP*

Physical Stacking

- Up to 8 Units Physical Stacking
- Up to 32 Gigabit combo SFP and 16 10G SFP+ Slots
- Up to 320Gbps Backplane Bandwidth
- Ring Stacking for Link Redundancy
- Distributed Link Aggregation

Layer 2 Features & Security

- AAA**
- IP-MAC-Port-VID Binding
- Access Control List (L2~L4 ACL)
- Link Aggregation Control Protocol (LACP)
- 4K VLAN
- IGMP Snooping
- Quality of Service
- 802.1x and RADIUS/TACACS+ Authentication

Management

- Physical Stacking for Unified Management
- Web-based GUI
- Command Line Interface
- SNMP V1/V2c/V3
- RMON (1, 2, 3, 9 group)
- Dual Image
- IPv6 Management**

*T2700G-28TQ can be upgraded to support these features with the addition of a layer 3 license

**Only supported by T3710G-52TQ

		T3710G-52TQ	T3700G-28TQ	T2700G-28TQ
	Product Picture			
	Model	T3710G-52TQ	T3700G-28TQ	T2700G-28TQ
Hardware	Gigabit SFP Ports	4 (Combo)		
	10G SFP+ Slots	Up to 4 (2 fixed and 2 optional)		
	Console Port	1 (RJ45), 1 (Micro-USB)		1
	Standards	IEEE 802.3i, 802.3u, 802.3ab, 802.3z, 802.3ae, 802.3ad, 802.3x, 802.1d, 802.1s, 802.1w, 802.1q, 802.1x, 802.1p		
	Auto Negotiation / Auto MDI/MDIX	●		
	Flow Control	●		
	Power Supply	Hot-swappable Power Supply Module (PSM150-AC) Optional Redundant Power Supply(PSM150-AC) 100-240VAC, 50/60Hz	Hot-swappable Power Supply Module(PSM150-AC) Optional Redundant Power Supply(RPS150) 100-240VAC, 50/60Hz	
	Certifications	CE, FCC		
	Dimensions (W × D × H)	17.3 × 16.5 × 1.7 in. (440 × 420 × 44 mm)	17.3 × 13 × 1.7 in. (440 × 330 × 44 mm)	
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F);Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing;Storage Humidity: 5%~90% non-condensing		
Physical Stacking	Max Number of Stacking Ports Installable	2 SFP+		
	No. of Units Per Stack	8		
	Stacking Speed (Per Port)	20Gbps (Full-Duplex)		
Performance	Switch Capacity	Up to 176Gbps for a standalone switch	Up to 128Gbps for a standalone switch	
	Forwarding Rate	Up to 130.9Mpps for a standalone switch	Up to 95.2Mpps for a standalone switch	
	MAC Address Table	32K		
	Packet Buffer Memory	16 Mbits		
	Number of IP Interfaces	128		
	Number of Routes	12K		
	Number of Static Routes	256		
	Jumbo Frame	10KB		
L3 Features	Wire-speed IP forwarding	●		
	Static Routing	●		
	RIP	v1/v2		
	OSPF	v2		L3 license required
	ECMP	●		L3 license required
	PIM-SM/PIM-DM/IGMP	●		L3 license required
	DHCP Server/Relay	●		
	ARP Proxy	●		L3 license required
	VRRP	●		L3 license required
L2 Features	IGMP Snooping	V1/V2/V3		
	STP/RSTP/MSTP	●		
	BPDU Filtering/Guard	●		
	Root Guard/Loopback Detection	●		
	QinQ	●		
	VLAN	802.1Q/MAC-based/Protocol-based/GVRP/Private/Voice VLAN		
	QoS	8 Queues/Port/802.1p/IP DSCP based COS, TOS		
	Rate Limit	●		
	Port Isolation	●		
	Port Mirroring	●		
	LACP	●		
	Port Trunking	●		
	DHCP Snooping	●		
	DHCP/BOOTP Client	●		
Security	Access Control List	●		
	IP + MAC + Port + VID Binding	●		
	Storm Control	●		
	Port Security	●		
	SSH & SSL	●		
	IP Source Guard	●		
	DoS Defence	●		
	Dynamic ARP Inspection	●		
	IEEE 802.1X Authentication	●		
	Guest VLAN	●		
System Management	SNMP	V1/V2c/V3		
	RMON	Group 1, 2, 3, 9		
	Command Line Interface (CLI)	●		
	IPv6	●		-
	Time Setting	SNTP		
	Firmware Upgrade	●		
	System Diagnose	VCT/CPU Monitor/Ping/Tracert		
	Web Interface/SYSLOG/MIBS	●		

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L2 Managed Switches

JetStream **T2600 Series** L2 Managed Switches

Overview

TP-Link's JetStream T2600 series L2 managed switches provide ideal networking solutions for both small and medium-sized businesses, as well as enterprise networks and campus networks. Features include enterprise-level QoS, advanced security strategies, abundant management features and enhanced L2+/L2 features, such as static routing, OAM, L2PT and sFlow.

JetStream 24/48-Port Gigabit L2 Managed Switch with 4 SFP Slots

T2600G-28TS (TL-SG3424) /T2600G-52TS (TL-SG3452)

- 24/48 Gigabit RJ45 ports, 4 Gigabit SFP expansion slots, 1 RJ45 Console Port, 1 Micro-USB Console Port
- Switching capacity: 56/104Gbps, Forwarding rate: 41.7/77.4Mpps
- 16K MAC address table and 9KB Jumbo Frame
- Fanless design
- 19-inch rack-mountable steel case

JetStream 24-Port Gigabit L2 Managed PoE+ Switch with 4 SFP Slots

T2600G-28MPS (TL-SG3424P)

- 24 Gigabit RJ45 Ports (All ports support IEEE 802.3at/af standard), 4 Gigabit SFP expansion slots, 1 RJ45 Console Port, 1 Micro-USB Console Port
- Switching capacity: 56Gbps, Forwarding rate: 41.7Mpps
- 384W PoE Power Budget
- 16K MAC address table and 9KB Jumbo Frame
- 19-inch rack-mountable steel case

JetStream 12-Port Gigabit SFP L2 Managed Switch with 4 Combo 1000BASE-T Ports

T2600G-12SC (TL-SG5412F)

- 12 Gigabit SFP expansion slots, 4 combo Gigabit RJ45 ports, 1 RJ45 Console Port, 1 Micro-USB Console Port
- Switching capacity: 24Gbps, Forwarding rate: 17.8Mpps
- 16K MAC address table and 10KB Jumbo Frame
- Fanless design
- 19-inch rack-mountable steel case

JetStream 16-Port Gigabit L2 Managed Switch with 2 SFP Slots

T2600G-18TS (TL-SG3216)

- 16 Gigabit RJ45 ports, 2 Gigabit SFP expansion slots, 1 RJ45 Console Port, 1 Micro-USB Console Port
- Switching capacity: 36Gbps, Forwarding rate: 26.8Mpps
- 8K MAC address table and 10KB Jumbo Frame
- Fanless design
- 19-inch rack-mountable steel case

Features

L2 and L2+ Features
- Static Routing (IPv4/IPv6)
- DHCP Relay/Server
- IGMP/MLD Snooping
- 4K IEEE 802.1Q VLAN
- VLAN VPN (QinQ)
- GARP VLAN Registration Protocol (GVRP)
- Link Aggregation Group (LAG)
- Layer2 Protocol Tunneling (L2PT)

Quality of Service
- IEEE 802.1p Priority
- 8 Priority Queues
- DSCP QoS
- Rate Limit
- IPv6 QoS
- Voice VLAN

Security Strategies
- AAA
- IP-MAC-Port-VID Binding
- Access Control List (L2~L4 ACL, IPv6 ACL)
- ARP Inspection
- IP Source Guard
- 802.1x and RADIUS/TACACS+ Authentication
- DoS Defend

Management
- Web-based GUI
- Command Line Interface
- Ethernet OAM
- sFlow
- SNMP V1/V2c/V3
- RMON (1, 2, 3, 9 group)
- IPv6 Management
- Dual Image

		T2600G-52TS (TL-SG3452)	T2600G-28TS (TL-SG3424)	T2600G-28MPS (TL-SG3424P)	T2600G-12SC (TL-SG5412F)	T2600G-18TS (TL-SG3216)
	Product Picture					
	Model	T2600G-52TS (TL-SG3452)	T2600G-28TS (TL-SG3424)	T2600G-28MPS (TL-SG3424P)	T2600G-12SC (TL-SG5412F)	T2600G-18TS (TL-SG3216)
	Product Description	JetStream 48-port Gigabit L2 Managed Switch with 4 SFP Slots	JetStream 24-port Gigabit L2 Managed Switch with 4 SFP Slots	JetStream 24-Port Gigabit L2 Managed PoE+ Switch with 4 SFP Slots	JetStream 12-Port Gigabit SFP L2 Managed Switch with 4 Combo 1000Base-T Ports	JetStream 16-Port Gigabit L2 Managed Switch with 2 SFP Slots
Hardware	Gigabit RJ45 Ports	48	24	24	4 (Combo)	16
	Gigabit SFP Ports	4	4	4	12	2
	Console Port	1 (RJ45), 1 (Micro-USB)				
	Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3ad, 802.3x, 802.1Q, 802.1p, 802.1d, 802.1w, 802.1s, 802.1x				
	Auto Negotiation / Auto MDI/MDIX	●				
	Flow Control	●				
	Power Supply	100-240VAC, 50/60Hz				
	PoE Power Budget	-	-	384W	-	-
	Fanless	-	2	2		-
	Certifications	CE, FCC				
	Dimensions (W × D × H)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)	17.3 × 13 × 1.7 in. (440 × 330 × 44 mm)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)
	Environment	Operating Temperature: 0°C~40°C(32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing				
Performance	Switch Capacity	104Gbps	56Gbps	56Gbps	24Gbps	36Gbps
	Forwarding Rate	77.4Mpps	41.7Mpps	41.7Mpps	17.8Mpps	26.8Mpps
	MAC Address Table	16K				8K
	Jumbo Frame	9KB			10KB	
L2 Features	IGMP Snooping	V1/V2/V3				
	STP/RSTP/MSTP	●				
	BPDU Filtering/Guard	●				
	Root Guard/Loopback Detection	●				
	QinQ	●				
	VLAN	802.1Q/MAC-based/Protocol-based/GVRP/Private/Voice VLAN				
	QoS	8 Queues/Port/802.1p/IP DSCP based COS, TOS				
	Rate Limit	●				
	Port Isolation	●				
	Port Mirroring	●				
	LACP	●				
	Link Aggregation	●				
	DHCP Snooping	●				
	DHCP/BOOTP Client	●				
Security	Access Control List	●				
	IP+MAC+Port+VID Binding	●				
	Strom Control	●				
	Port Security	●				
	SSH & SSL	●				
	IP Source Guard	●				
	DoS Defence	●				
	Dynamic ARP Inspection	●				
	IEEE 802.1X Authentication	●				
	Guest VLAN	●				
System Management	SNMP	V1/V2c/V3				
	RMON	Group 1, 2, 3, 9				
	Command Line Interface (CLI)	●				
	Dual Image	●				
	sFlow	●				
	Ethernet OAM	●				
	LLDP/LLDP-MED	●				
	IPv6	●				
	Firmware Upgrade	●				
	System Diagnose	VCT/CPU Monitor/Ping/Tracert				
	Web Interface/SYSLOG/MIBS	●				

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L2 Managed Switches

JetStream T2500 Series L2 Managed Switches

Overview

TP-Link's JetStream T2500 series L2 managed switches are designed exclusively for the networking needs of growing businesses, with an extensive suite of management features and security functions available. These TP-Link products are cost-effective for small and medium-sized businesses, making them ideal networking solutions.

JetStream 8-Port Gigabit L2 Managed Switch with 2 SFP Slots

T2500G-10TS (TL-SG3210)

- 8 Gigabit RJ45 Ports, 2 Gigabit SFP expansion slots, 1 RJ45 Console Port, 1 Micro-USB Console Port
- Switching capacity: 20Gbps, Forwarding rate: 14.9Mpps
- 8K MAC address table and 9KB Jumbo Frame
- Fanless design
- 13-inch desktop/rack-mountable steel case

JetStream 48-Port 10/100Mbps + 4 Port Gigabit L2 Managed Switch

T2500-52TS (TL-SL3452)

- 48 10/100Mbps RJ45 Ports, 2 Gigabit RJ45 ports, 2 Gigabit SFP expansion slots, 1 RJ45 Console Port, 1 Micro-USB Console Port
- Switching capacity: 56Gbps, Forwarding rate: 41.7Mpps
- 16K MAC address table and 10KB Jumbo Frame
- Fanless design
- 19-inch rack-mountable steel case

JetStream 24-Port 10/100Mbps + 4-Port Gigabit L2 Managed Switch

T2500-28TC (TL-SL5428E)

- 24 10/100Mbps RJ45 ports, 4 Gigabit RJ45 ports, 4 combo Gigabit SFP expansion slots, 1 RJ45 console port
- Switching capacity: 12.8Gbps, Forwarding rate: 9.5Mpps
- 8K MAC address table and 2KB Jumbo Frame
- Fanless design
- 19-inch rack-mountable steel case

Features

L2 Features
- Link Aggregation Control Protocol (LACP)
- IGMP Snooping
- IEEE 802.1Q VLAN
- VLAN VPN (QinQ)
- GARP VLAN Registration Protocol (GVRP)
- STP/RSTP/MSTP

Quality of Service
- IEEE 802.1p Priority
- DSCP Priority
- Rate Limit
- Voice VLAN

Security Strategies
- AAA
- IP-MAC-Port-VID Binding
- 802.1x and RADIUS/TACACS+ Authentication
- Access Control List (L2~L4 ACL)
- ARP Inspection
- DoS Defend

Management
- Web-based GUI
- Command Line Interface
- SNMP V1/V2c/V3
- IPv6 Management
- RMON (1,2,3,9 group)

		T2500G-10TS (TL-SG3210)	T2500-52TS (TL-SL3452)	T2500-28TC (TL-SL5428E)
Product Picture				
Model		T2500G-10TS (TL-SG3210)	T2500-52TS (TL-SL3452)	T2500-28TC (TL-SL5428E)
Product Description		JetStream 8-Port Gigabit L2 Managed Switch with 2 SFP Slots	JetStream 48-Port 10/100Mbps + 4-Port Gigabit L2 Managed Switch	JetStream 24-Port 10/100Mbps + 4-Port Gigabit L2 Managed Switch
Hardware	10/100Mbps RJ45 Ports	-	48	24
	Gigabit RJ45 Ports	8	2	4
	Gigabit SFP Ports	2	2	4 (Combo)
	Console Port	1 (RJ45), 1 (Micro-USB)		1
	Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3ad, 802.3x, 802.1Q, 802.1p, 802.1d, 802.1w, 802.1s, 802.1x		
	Auto Negotiation / Auto MDI/MDIX	●		
	Flow Control	●		
	Power Supply	100-240VAC, 50/60Hz		
	Fanless	●		
	Certifications	CE, FCC		
	Dimensions (W × D × H)	11.6 × 7.1 × 1.7 in. (294 × 180 × 44 mm)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)
	Environment	Operating Temperature: 0°C~40°C(32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing		
Performance	Switching Capacity	20Gbps	17.6Gbps	12.8Gbps
	Forwarding Rate	14.9Mpps	13.1Mpps	9.5Mpps
	MAC Address Table	8K	16K	8K
	Jumbo Frame	10KB	9KB	2KB
L2 Features	IGMP Snooping	V1/V2/V3		
	STP/RSTP/MSTP	●		
	BPDU Filtering/Guard	●		
	ROOT Guard/Loopback Detection	●		
	VLAN	802.1Q/MAC-based/Protocol-based /GVRP/VLAN VPN/Voice/Private VLAN*		
	QoS	4 Queues/Port/802.1p/IP DSCP based COS, TOS	8 Queues/Port/802.1p/IP DSCP based COS, TOS	4 Queues/Port/802.1p/IP DSCP based COS, TOS
	Rate Limit	●		
	Port Isolation	●		
	LACP	●		
	Link Aggregation	●		
	Port Mirroring	●		
	DHCP Snooping	●		
	DHCP/BOOTP Client	●		
Security	Access Control List	●		
	IP + MAC + PORT + VID Binding	●		
	Storm Control	●		
	Port Security	●		
	SSH & SSL	●		
	DoS Defend	●		
	Dynamic ARP Inspection	●		
	IEEE 802.1X Authentication	●		
	Guest VLAN	●		
System Management	SNMP	V1/V2c/V3		
	RMON	Group 1, 2, 3, 9		
	Command Line Interface (CLI)	●		
	IPv6	●		
	Time Setting	SNTP		
	Firmware Upgrade	●		
	System Diagnose	VCT/CPU Monitor/Ping/Tracert		
	Web Interface/SYSLOG/Public MIBS	●		

* Private VLAN is only supported by model T2500-28TC (TL-SL5428E)

Smart Switches

JetStream **T1700 Series** 10-Gigabit Smart Switches

Overview

In a world of expanding enterprises and growing virtualization, SMB networks need to evolve beyond simple reliability to provide increased scalability, greater bandwidth, and enhanced performance. TP-Link's new T1700 Series 10G Smart Switches provide the answer. The series includes the T1700X-16TS Full 10-Gigabit Smart Switch and the T1700G-28TQ Gigabit Stackable Smart Switch with 10G Uplink. Both provide the high level of performance, scalability, and cost-effectiveness that SMBs require from their 10G networking solutions.

JetStream 12-Port 10GBase-T Smart Switch with 4 10G SFP+ Slots

T1700X-16TS

- 12 10GBase-T RJ45 Ports, 4 10G SFP+ expansion slots
- Switching capacity: Up to 320Gbps
- Forwarding Rate: 238.1Mpps
- 16K MAC Address table and 9KB Jumbo Frame
- 19-inch rack-mountable steel case

JetStream 24-Port Gigabit Stackable Smart Switch with 4 10GE SFP+ Slots

T1700G-28TQ

- 24 Gigabit RJ45 ports, 4 10G SFP+ expansion slots
- Switching capacity: Up to 128Gbps, Forwarding rate: 95.2Mpps
- Physical Stacking with up to 6 units, 40Gbps Stacking Bandwidth
- 16K MAC address table and 9KB Jumbo Frame
- Fanless design
- 19-inch rack-mountable steel case

Features

L2 and L2+ Features
- Static Routing (IPv4, IPv6)
- DHCP Relay
- Link Aggregation Control Protocol (LACP)
- 802.1Q/MAC/Protocol/ Private VLAN*
- STP/RSTP/MSTP
- IGMP Snooping
- LLDP/LLDP-MED
- Port Isolation
- Loopback Detection

Quality of Service
- 8 Priority Queues
- IEEE 802.1p Priority
- DSCP Priority
- Rate Limit
- IPv6 QoS
- Voice VLAN

Security Strategies
- AAA
- IP-MAC-Port-VID Binding
- ARP Inspection
- DHCP Snooping
- Access Control List (L2~L4 ACL, IPv6 ACL)
- 802.1x and RADIUS/TACACS+ Authentication
- Port Isolation
- Loopback Detection
- Port Security
- SSL & SSH Encryptions

Management
- Web-based GUI
- Command Line Interface (Telnet)
- SNMP V1/V2c/V3
- RMON (1, 2, 3, 9 group)
- IPv6 management
- Dual Image

* Private VLAN is only supported by T1700X-16TS

		T1700X-16TS	T1700G-28TQ
Product Picture			
Model		T1700X-16TS	T1700G-28TQ
Product Description		JetStream 12-Port 10GBase-T Smart Switch with 4 10G SFP+ Slots	JetStream 24-Port Gigabit Stackable Smart Switch with 4 10GE SFP+ Slots
Hardware	Gigabit RJ45 Ports	-	24
	Gigabit SFP Ports	-	-
	10GBase-T RJ45 Ports	12	-
	10G SFP+ Ports	4	4
	Standards	IEEE 802.3i, 802.3u, 802.3ab, 802.3ad, 802.3x, 802.3ae, 802.3an*, 802.1Q, 802.1p, 802.1d, 802.1w, 802.1w, 802.1s, 802.1x	
	Auto Negotiation / Auto MDI/MDIX	●	
	Flow Control	●	
	Power Supply	100-240VAC, 50/60Hz	
	Fanless	-	●
	Certifications	CE, FCC	
	Dimensions (W × D × H)	17.3 × 8.7 × 1.7 in.(440 × 220 × 44 mm)	17.3 × 7.1 × 1.7in.(440 × 180 × 44mm)
	Environment	Operating Temperature: 0℃~40℃(32℉~104℉); Storage Temperature: -40℃~70℃ (-40℉~158℉) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing	
Performance	Switching Capacity	320Gbps	128Gbps
	Forwarding Rate	238.1Mpps	95.2Mpps
	MAC Address Table	16K	
	Jumbo Frame	9KB	
Stacking	Physical Stacking	-	●
	Stacking Units	-	6
L3 Features	Static Routing	●	
	DHCP Relay	●	
L2 Features	IGMP Snooping	V1/V2/V3	
	STP/RSTP/MSTP	●	
	BPDU Filtering/Guard	●	
	ROOT Guard/Loopback Detection	●	
	VLAN	802.1Q/Protocol-based/Protocol-based/Private VLAN*	
	Voice VLAN	●	
	QoS	8 Queues/Port 802.1p/IP DSCP based CoS, ToS	
	Rate Limit	●	
	Port Isolation	●	
	LACP	●	
	Link Aggregation	●	
	Port Mirroring	●	
	DHCP Snooping	●	
	DHCP/BOOTP Client	●	
Security	Access Control List	●	
	IP + MAC + PORT + VID BINDING	●	
	Storm Control	●	
	Port Security	●	
	SSH & SSL	●	
	IEEE 802.1X Authentication	●	
	Guest VLAN	●	
System Management	SNMP	V1/V2c/V3	
	RMON	Group 1, 2, 3, 9	
	Command Line Interface (CLI)	Telnet	
	IPv6	●	
	Dual Image	●	
	Firmware Upgrade	●	
	System Diagnose	VCT/CPU Monitor/Ping/Tracert	
	Web Interface/SYSLOG/Public MIBS	●	

* Only for T1700X-16TS

Switches

Power over Ethernet

Accessories

Auranet Business Wi-Fi Solution

Pharos Wireless Broadband Solution

Outdoor AP

Antennas and Accessories

Routers

Solutions for Business

Smart Switches

JetStream T1600 Series Smart Switches

Overview

TP-Link's new JetStream Gigabit Smart Switches feature significant upgrades when compared with previous models. Integrated with useful L2 and L2+ features such as Static Routing, 802.1Q VLAN, QoS, and IGMP Snooping, they provide cost-effective networking solutions for small and medium-sized businesses, offering enhanced usability and better performance.

JetStream 48-Port Gigabit Smart Switch with 4 SFP Slots

T1600G-52TS (TL-SG2452)

- 48 Gigabit RJ45 ports, 4 Gigabit SFP expansion slots
- Switching capacity: 104Gbps, Forwarding rate: 77.4Mpps
- 16K MAC address table and 9KB Jumbo Frame
- Fanless design
- 19-inch rack-mountable steel case

JetStream 24-Port Gigabit Smart Switch with 4 SFP Slots

T1600G-28TS (TL-SG2424)

- 24 Gigabit RJ45 ports, 4 Gigabit SFP expansion slots
- Switching capacity: 56Gbps, Forwarding rate: 41.7Mpps
- 16K MAC address table and 9KB Jumbo Frame
- Fanless design
- 19-inch rack-mountable steel case

JetStream 24/48-Port Gigabit Smart PoE+ Switch with 4 SFP Slots

T1600G-28PS (TL-SG2424P)/T1600G-52PS (TL-SG2452P)

- 24/48 Gigabit RJ45 ports (All ports support IEEE 802.3at/af standards), 4 Gigabit SFP expansion slots
- Switching capacity: 56Gbps/104Gbps, Forwarding rate: 41.7Mpps/77.4Mpps
- 16K MAC address table and 9KB Jumbo Frame
- 19-inch rack-mountable steel case

JetStream 16-Port Gigabit Smart Switch with 2 SFP Slots

T1600G-18TS (TL-SG2216)

- 16 Gigabit RJ45 ports, 2 Gigabit SFP expansion slots
- Switching capacity: 36Gbps, Forwarding rate: 26.8Mpps
- 8K MAC address table and 9KB Jumbo Frame
- Fanless design
- 19-inch rack-mountable steel case

Features

L2 and L2+ Features
- Static Routing (IPv4, IPv6)
- Link Aggregation Control Protocol (LACP)
- 802.1Q/MAC/Protocol VLAN
- Port Isolation
- STP/RSTP/MSTP
- IGMP/MLD Snooping
- LLDP/LLDP-MED

Quality of Service
- 8 Priority Queues
- IEEE 802.1P Priority
- DSCP Priority
- Rate Limit
- IPv6 QoS
- Voice VLAN

Security Strategies
- AAA
- IP-MAC-Port-VID Binding
- ARP Inspection
- DHCP Snooping
- Access Control List (L2~L4 ACL, IPv6 ACL)
- 802.1x and RADIUS/TACACS+ Authentication
- Port Isolation
- Loopback Detection
- Port Security
- SSL and SSH Encryptions

Management
- Web-based GUI
- Command Line Interface(Telnet)
- SNMP V1/V2c/V3
- RMON (1,2,3,9 group)
- IPv6 management
- Dual Image

		T1600G-52PS (TL-SG2452P)	T1600G-52TS (TL-SG2452)	T1600G-28PS (TL-SG2424P)	T1600G-28TS (TL-SG2424)	T1600G-18TS (TL-SG2216)
	Product Picture					
	Model	T1600G-52PS (TL-SG2452P)	T1600G-52TS (TL-SG2452)	T1600G-28PS (TL-SG2424P)	T1600G-28TS (TL-SG2424)	T1600G-18TS (TL-SG2216)
	Product Description	JetStream 48-Port Gigabit Smart PoE+ Switch with 4 SFP Slots	JetStream 48-Port Gigabit Smart Switch with 4 SFP Slots	JetStream 24-Port Gigabit Smart PoE+ Switch with 4 SFP Slots	JetStream 24-Port Gigabit Smart Switch with 4 SFP Slots	JetStream 16-Port Gigabit Smart Switch with 2 SFP Slots
Hardware	Gigabit RJ45 Ports	48, all support PoE+	48	24, all support PoE+	24	16
	Gigabit SFP Ports	4	4	4	4	2
	Standards	IEEE 802.3i, 802.3u, 802.3ab, 802.3ad, 802.3x, 802.3af*, 802.3at*, 802.1Q, 802.1p, 802.1d, 802.1w, 802.1w, 802.1s, 802.1x				
	Auto Negotiation / Auto MDI/MDIX	●				
	Flow Control	●				
	Power Supply	100-240VAC, 50/60Hz				
	PoE Power Budget	384W	-	192W	-	-
	Fanless	-	●	-	●	●
	Certifications	CE, FCC				
	Dimensions (W × D × H)	17.3 × 13 × 1.7 in. (440 × 330 × 44mm)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)		17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)
	Environment	Operating Temperature: 0°C~40°C(32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing				
Performance	Switch Capacity	104Gbps		56Gbps		36Gbps
	Forwarding Rate	77.4Mpps		41.7Mpps		26.8Mpps
	MAC Address Table	16K				8K
	Jumbo Frame	9KB				
L3 Features	Static Routing	●				
	DHCP Relay	●				
L2 Features	IGMP Snooping	V1/V2/V3				
	STP/RSTP/MSTP	●				
	BPDU Filtering/Guard	●				
	ROOT Guard/Loopback Detection	●				
	VLAN	802.1Q/MAC-based/Protocol-based VLAN				
	Voice VLAN	●				
	QoS	8 Queues/Port 802.1p/IP DSCP based CoS, ToS				
	Rate Limit	●				
	Port Isolation	●				
	LACP	●				
	Link Aggregation	●				
	Port Mirroring	●				
	DHCP Snooping	●				
	DHCP/BOOTP Client	●				
Security	Access Control List	●				
	IP + MAC + PORT + VID BINDING	●				
	Storm Control	●				
	Port Security	●				
	SSL & SSH	●				
	IEEE 802.1X Authentication	●				
	Guest VLAN	●				
System Management	SNMP	V1/V2c/V3				
	RMON	Group 1,2,3,9				
	Command Line Interface(CLI)	Telnet				
	IPv6	●				
	Dual Image	●				
	Firmware Upgrade	●				
	System Diagnose	VCT/CPU Monitor/Ping/Tracert				
	Web Interface/SYSLOG/Public MIBs	●				

* Only for PoE models

Smart Switches

JetStream **T1500 Series Smart Switches**

Overview

TP-Link's JetStream T1500 Series Smart Switches have been specially developed for the access layer of small and medium networks. Integrated with useful L2 features such as 802.1Q VLAN, QoS, IGMP Snooping, STP, Storm Control and SNMP, TP-Link's T1500 Series provides administrators with simple, cost-effective and yet intelligent networking solutions.

JetStream 8-Port Gigabit Smart PoE+ Switch with 2 SFP Slots

T1500G-10MPS

- 8 Gigabit RJ45 ports (All ports support IEEE 802.3at/af standards)
  2 Gigabit SFP expansion slots
- Switching capacity: 20Gbps, Forwarding rate: 14.9Mpps
- 116W PoE Power Budget
- 8K MAC address table and 9KB Jumbo Frame
- 13-inch desktop/rack-mountable steel case

JetStream 8-Port Gigabit Smart PoE Switch with 2 SFP Slots

T1500G-10PS (TL-SG2210P)

- 8 Gigabit RJ45 ports (All ports support IEEE 802.3af standard.)
  2 Gigabit SFP expansion slots
- Switching capacity:20Gbps, Forwarding rate:14.9Mpps
- 53W PoE Power Budget
- 8K MAC address table and 9KB Jumbo Frame
- Desktop steel case

JetStream 8-Port Gigabit Smart Switch

T1500G-8T (TL-SG2008)

- 8 Gigabit RJ45 ports, including 1 802.3af PD port
- Switching capacity: 16Gbps, Forwarding rate: 11.9Mpps
- 8K MAC address table and 9KB Jumbo Frame
- Fanless design
- Desktop steel case

JetStream 24-Port 10/100Mbps + 4-Port Gigabit Smart PoE+ Switch

T1500-28PCT (TL-SL2428P)

- 24 10/100Mbps + 4 Gigabit RJ45 ports (24 10/100Mbps ports support IEEE 802.3at/af standards), 2 combo Gigabit SFP expansion slots
- Switching capacity: 12.8Gbps, Forwarding rate: 9.5Mpps
- 192W PoE Power Budget
- 8K MAC address table and 9KB Jumbo Frame
- 19-inch rack-mountable steel case

JetStream 24-Port 10/100Mbps + 4-Port Gigabit Smart Switch

T1500-28TC (TL-SL2428)

- 24 10/100Mbps RJ45 ports, 4 Gigabit RJ45 ports, 2 combo Gigabit SFP expansion slots
- Switching capacity: 12.8Gbps, Forwarding rate: 9.5Mpps
- 8K MAC address table and 9KB Jumbo Frame
- Fanless design
- 19-inch rack-mountable steel case

JetStream 16-Port 10/100Mbps + 2-Port Gigabit Smart Switch

T1500-18TC (TL-SL2218)

- 16 10/100Mbps RJ45 ports, 2 Gigabit RJ45 ports, 2 combo Gigabit SFP expansion slots
- Switching capacity: 7.2Gbps, Forwarding rate: 5.4Mpps
- 8K MAC address table and 9KB Jumbo Frame
- Fanless design
- 19-inch rack-mountable steel case

Features

Layer 2 Features
- Link Aggregation Control Protocol (LACP)
- 802.1Q VLAN
- Port Isolation
- STP/RSTP/MSTP
- IGMP Snooping
- LLDP/LLDP-MED

Quality of Service
- 4 Priority Queues
- IEEE 802.1P Priority
- DSCP Priority
- Rate Limit
- Voice VLAN

Security Strategies
- AAA
- IP-MAC-Port-VID Binding
- ARP Inspection
- DHCP Snooping
- Access Control List (L2~L4 ACL)
- 802.1x and RADIUS/TACACS+ Authentication
- Loopback Detection

Management
- Web-based GUI
- Command Line Interface (Telnet)
- SNMP V1/V2c/V3
- RMON (1, 2, 3, 9 group)
- Dual Image

		T1500G-10MPS	T1500G-10PS (TL-SG2210P)	T1500G-8T (TL-SG2008)	T1500-28PCT (TL-SL2428)	T1500-28TC (TL-SL2428)	T1500-18TC (TL-SL2218)
	Product Picture						
	Model	T1500G-10MPS	T1500G-10PS (TL-SG2210P)	T1500G-8T (TL-SG2008)	T1500-28PCT (TL-SL2428)	T1500-28TC (TL-SL2428)	T1500-18TC (TL-SL2218)
	Product Description	JetStream 8-Port Gigabit Smart PoE+ Switch with 2 SFP Slots	JetStream 8-Port Gigabit Smart PoE Switch with 2 SFP Slots	JetStream 8-Port Gigabit Smart Switch	JetStream 24-Port 10/100Mbps + 4-Port Gigabit Smart Switch	JetStream 24-Port 10/100Mbps + 4-Port Gigabit Smart Switch	16-Port 10/100Mbps + 2-Port Gigabit Smart Switch
Hardware	10/100Mbps RJ45 Ports				24, all support PoE+	24	16
	Gigabit RJ45 Ports	8, all support PoE+	8, all support PoE	8, including 1 PD port	4	4	2
	Gigabit SFP Ports	2	2	-	2 (Combo)	2 (Combo)	2 (Combo)
	Standards	IEEE 802.3i, 802.3u, 802.3ab, 802.3ad, 802.3x, 802.3af*, 802.3at*, 802.1Q, 802.1p, 802.1d, 802.1w, 802.1s, 802.1x					
	Auto Negotiation / Auto MDI/MDIX	●					
	Flow Control						
	Power Supply	100-240VAC 50/60Hz	48VDC/1.25A External Adapter	12VDC/1A External Adapter	100-240VAC 50/60Hz		
	PoE Power Budget	116W	53W	-	192W	-	-
	Fanless	-	●	●	-	●	
	Certifications	CE, FCC					
	Dimensions (W × D × H)	11.6 × 7.1 × 1.7 in. (294 × 180 × 44 mm)	8.2 × 4.9 × 1.0 in. (209 × 126 × 26 mm)	8.2 × 4.9 × 1.0 in. (209 × 126 × 26 mm)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)
	Environment	Operating Temperature: 0°C~40°C(32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing					
Performance	Switching Capacity	20Gbps		16Gbps	12.8Gbps		7.2Gbps
	Forwarding Rate	14.9Mpps		11.9Mpps	9.5Mpps		5.4Mpps
	MAC Address Table	8K					
	Jumbo Frame	9KB					
L2 Features	IGMP Snooping	V1/V2/V3					
	STP/RSTP/MSTP	●					
	BPDU Filtering/Guard	●					
	ROOT Guard/Loopback Detection	●					
	VLAN	802.1Q VLAN					
	Voice VLAN						
	QoS	4 Queues/Port/802.1p/IP DSCP based CoS, ToS					
	Rate Limit						
	Port Isolation						
	LACP	●					
	Link Aggregation	●					
	Port Mirroring	●					
	DHCP Snooping	●					
	DHCP/BOOTP Client	●					
Security	Access Control List	●					
	IP + MAC + Port + VID Binding	●					
	Storm Control	●					
	Port Security	●					
	SSL & SSH	●					
	IEEE 802.1X Authentication	●					
	Guest VLAN	●					
System Management	SNMP	V1/V2c/V3					
	RMON	Group 1,2,3,9					
	Command Line Interface(CLI)	Telnet					
	Dual Image	●					
	Firmware Upgrade	●					
	System Diagnose	VCT/CPU Monitor/Ping/Tracert					
	Web Interface/SYSLOG/Public MIBS	●					

* Only for PoE models

tpNMS

TP-Link Network Management System

TP-Link Management System (tpNMS) is a comprehensive standards-based management tool designed to centrally manage all TP-Link Smart, L2, L2+ and L3 managed switches, as well as discover any third-party network devices that support the SNMP protocol. Flexible and versatile, tpNMS utilizes cutting-edge web technology to make administration and supervision of network switches more convenient than ever before.

Simplified Network Management
Compatible with any managed switch that uses the industry-standard Simple Network Management Protocol (SNMP).

Graphical Monitoring
Robust graphical monitoring charts make complex data more readable so users can stay informed and easily monitor the entire network.

Centralized Firmware Upgrades
Users can implement batch firmware upgrade through tpNMS by adding switches with the same software version to the same device group.

Easy Smart Switches

Easy Smart Switches

Overview
TP-Link Easy Smart Switches are the perfect upgrade from Unmanaged Switches. Configuration is simple with the Easy Smart Configuration Utility management software, while the switch is equipped with many basic practical features including Port/Tag/MTU VLAN, QoS and IGMP Snooping. Easy Smart Switches provide network administrators with a simple and cost-effective networking solution for small business networks.

24-Port Gigabit Easy Smart Switch
TL-SG1024DE
- 24 Gigabit RJ45 ports
- Switching capacity: 48Gbps, Forwarding rate: 35.7Mpps
- 8K MAC address table and 10KB Jumbo Frame
- Fanless design
- 13-inch desktop/rack-mountable steel case

16-Port Gigabit Easy Smart Switch with 8-Port PoE+
TL-SG1016PE
- 16 Gigabit RJ45 ports (Port 1~Port 8 support IEEE802.3at/af standards)
- Switching capacity: 32Gbps, Forwarding rate: 23.8Mpps
- About 110W PoE Power Budget
- 8K MAC Address Table and 10KB Jumbo Frame
- 13-inch desktop/rack-mountable steel case

16-Port Gigabit Easy Smart Switch
TL-SG1016DE
- 16 Gigabit RJ45 ports
- Switching capacity: 32Gbps, Forwarding rate: 23.8Mpps
- 8K MAC address table and 10KB Jumbo Frame
- Fanless design
- 13-inch desktop/rack-mountable steel case

8-Port Gigabit Easy Smart Switch with 4-Port PoE
TL-SG108PE
- 8 Gigabit RJ45 ports (Port 1~Port 4 support IEEE802.3af standard)
- Switching Capacity: 16Gbps, Forwarding rate: 11.9Mpps
- 55W PoE Power Budget
- 4K MAC Address Table and 15KB Jumbo Frame
- Fanless design
- Desktop steel case

8-Port Gigabit Easy Smart Switch
TL-SG108E
- 8 Gigabit RJ45 ports
- Switching capacity: 16Gbps, Forwarding rate: 11.9Mpps
- 4K MAC address table and 16KB Jumbo Frame
- Fanless design
- Desktop steel case

5-Port Gigabit Easy Smart Switch
TL-SG105E
- 5 Gigabit RJ45 ports
- Switching capacity:10Gbps, Forwarding rate:7.4Mpps
- 2K MAC address table and 15KB Jumbo Frame
- Fanless design
- Desktop steel case

Features

L2 Features	VLAN	Quality of Service	Green Technology
• IGMP Snooping	• Port/MTU/Tag VLAN	• Port Based/802.1p Based priority	• Saving power consumption
• Link Aggregation	• TL-SG105E/108E/108PE:	• 4 priority queues	• Recyclable packaging material
• Port Mirroring	32 VLANs	• Rate Limit	
• Cable Test	• TL-SG1016DE/1016PE/	• Storm Control	
• Loop Prevention	1024DE: 128 VLANs		

Switches

Power over Ethernet

Accessories

Auranet Business Wi-Fi Solution

Pharos Wireless Broadband Solution

Outdoor AP

Antennas and Accessories

Routers

Solutions for Business

Product Picture						
Model	TL-SG1024DE	TL-SG1016PE	TL-SG1016DE	TL-SG108PE	TL-SG108E	TL-SG105E
Product Description	24-Port Gigabit Easy Smart Switch	16-Port Gigabit Easy Smart Switch with 8-Port PoE+	16-Port Gigabit Easy Smart Switch	8-Port Gigabit Easy Smart Switch with 4-Port PoE	8-Port Gigabit Easy Smart Switch	5-Port Gigabit Easy Smart Switch
Hardware Gigabit RJ45 Ports	24	16, Port 1~8 support PoE+	16	8, Port 1~4 support PoE	8	5
Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3x, 802.1q, 802.1p					
Auto Negotiation /Auto MDI/MDIX	●					
Flow Control	●					
Power Supply	100-240VAC, 50/60Hz			External Power Adapter (Output: 48VDC/1.25A)	External Power Adapter (Output: 9VDC/0.6A)	External Power Adapter (Output: 9VDC/0.6A)
PoE Power Budget	-	About 110W	-	55W	-	-
Fanless	●	-		●		
Certifications	CE, FCC					
Dimensions (W × D × H)	11.6 × 7.1 × 1.7 in. (294 × 180 × 44 mm)			6.2 × 4.0 × 1.0 in. (158 × 101 × 25 mm)		3.9 × 3.9 × 1.0 in. (100 × 98 × 25 mm)
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing					
Performance Switching Capacity	48Gbps	32Gbps	32Gbps	16Gbps	16Gbps	10Gbps
Forwarding Rate	35.7Mpps	23.8Mpps	23.8Mpps	11.9Mpps	11.9Mpps	7.4Mpps
MAC Address Table	8K			4K		2K
Jumbo Frame	10KB			15KB		
Software Features IGMP Snooping	v1/v2/v3					
Link Aggregation (Static LAG)	●					
Port Mirroring	●					
Cable Test	●					
Loop Prevention	●					
VLAN	MTU/Port/802.1Q VLAN					
QoS	4 Queues/Port/802.1p/DSCP					
Rate Limit	●					
Strom Control	●					
Firmware Upgrade	●					

Unmanaged Switches

Gigabit Unmanaged Rackmount Switches

Overview

TP-Link's Gigabit Unmanaged Switches can improve the speed of your network and backbone connection, making gigabit speeds on your desktop a reality. They are simple plug and play products, with high performance ports provided that allow for simple and effective expansion of small and medium business networks, making work that bit more efficient. At the same time, the updated products in this series feature green technology that can significantly reduce power consumption, effectively reducing network maintenance costs while protecting the environment.

 green

16/24/48-Port Gigabit Rackmount Switch
TL-SG1016/TL-SG1024/TL-SG1048

• 16/24/48 Gigabit RJ45 ports
• Switching capacity: 32Gbps, 48Gbps, 96Gbps
 Forwarding rate: 23.8Mpps, 35.7Mpps, 71.4Mpps
• 8K MAC address table and 10KB Jumbo Frame
• Green Ethernet technology
• Support QoS (802.1p/DSCP)*
• Fanless design
• 19-inch rack-mountable steel case

* Only TL-SG1016/TL-SG1024 support QoS

 green

8/16/24-Port Gigabit Switch
TL-SG1008/TL-SG1016D/TL-SG1024D

• 8/16/24 Gigabit RJ45 ports
• Switching capacity: 16Gbps, 32Gbps, 48Gbps
 Forwarding rate: 11.9Mpps, 23.8Mpps, 35.7Mpps
• 4K/8K/8K MAC address table and 15/10/10KB Jumbo Frame
• Green Ethernet technology
• Support QoS (802.1p/DSCP) and IGMP Snooping*
• Fanless design
• 13-inch desktop/rack-mountable steel case

* Only TL-SG1008 supports IGMP Snooping

Product Picture						
Model	TL-SG1048	TL-SG1024	TL-SG1016	TL-SG1024D	TL-SG1016D	TL-SG1008
Product Description	48-Port Gigabit Rackmount Switch	24-Port Gigabit Rackmount Switch	16-Port Gigabit Rackmount Switch	24-Port Gigabit Desktop / Rackmount Switch	16-Port Gigabit Desktop / Rackmount Switch	8-Port Gigabit Desktop / Rackmount Switch
Gigabit RJ45 Ports	48	24	16	24	16	8
MAC Address Table	8k					4K
Switching Capacity	96Gbps	48Gbps	32Gbps	48Gbps	32Gbps	16Gbps
Forwarding Rate	71.4Mpps	35.7Mpps	23.8Mpps	35.7Mpps	23.8Mpps	11.9Mpps
Jumbo Frame	12KB	10KB	10KB	10KB	10KB	15KB
Fanless	●					
Green Technology	●					
Auto-Negotiation /Auto MDI/MDIX	●					
802.3X Flow Control & Back Pressure	●					
QoS	-	802.1p/DSCP				
IGMP Snooping	-					●
Transfer Method	Store and Forward					
Power Supply	100-240VAC, 50/60Hz					
Certifications	CE, FCC					
Dimensions (W × D × H)	17.3 x 8.7 x 1.7 in. (440 x 220 x 44 mm)	17.3 x 7.1 x 1.7 in. (440 x 180 x 44 mm)			11.6 × 7.1 × 1.7 in. (294 × 180 × 44 mm)	
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing					

Switches

Power over Ethernet

Accessories

Auranet Business
Wi-Fi Solution

Pharos Wireless
Broadband Solution

Outdoor AP

Antennas
and Accessories

Routers

Solutions
for Business

		TL-SG1024DE	TL-SG1016PE	TL-SG1016DE	TL-SG108PE	TL-SG108E	TL-SG105E
	Product Picture						
	Model	TL-SG1024DE	TL-SG1016PE	TL-SG1016DE	TL-SG108PE	TL-SG108E	TL-SG105E
	Product Description	24-Port Gigabit Easy Smart Switch	16-Port Gigabit Easy Smart Switch with 8-Port PoE+	16-Port Gigabit Easy Smart Switch	8-Port Gigabit Easy Smart Switch with 4-Port PoE	8-Port Gigabit Easy Smart Switch	5-Port Gigabit Easy Smart Switch
Hardware	Gigabit RJ45 Ports	24	16, Port 1~8 support PoE+	16	8, Port 1~4 support PoE	8	5
	Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3x, 802.1q, 802.1p					
	Auto Negotiation /Auto MDI/MDIX	●					
	Flow Control	●					
	Power Supply	100-240VAC, 50/60Hz			External Power Adapter (Output: 48VDC/1.25A)	External Power Adapter (Output: 9VDC/0.6A)	External Power Adapter (Output: 9VDC/0.6A)
	PoE Power Budget	-	About 110W	-	55W	-	-
	Fanless	●	-		●		
	Certifications	CE, FCC					
	Dimensions (W × D × H)	11.6 × 7.1 × 1.7 in. (294 × 180 × 44 mm)			6.2 × 4.0 × 1.0 in. (158 × 101 × 25 mm)		3.9 × 3.9 × 1.0 in. (100 × 98 × 25 mm)
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing					
Performance	Switching Capacity	48Gbps	32Gbps	32Gbps	16Gbps	16Gbps	10Gbps
	Forwarding Rate	35.7Mpps	23.8Mpps	23.8Mpps	11.9Mpps	11.9Mpps	7.4Mpps
	MAC Address Table	8K			4K		2K
	Jumbo Frame	10KB			15KB		
Software Features	IGMP Snooping	v1/v2/v3					
	Link Aggregation (Static LAG)	●					
	Port Mirroring	●					
	Cable Test	●					
	Loop Prevention	●					
	VLAN	MTU/Port/802.1Q VLAN					
	QoS	4 Queues/Port/802.1p/DSCP					
	Rate Limit	●					
	Strom Control	●					
	Firmware Upgrade	●					

Unmanaged Switches

Gigabit Unmanaged Rackmount Switches

Overview

TP-Link's Gigabit Unmanaged Switches can improve the speed of your network and backbone connection, making gigabit speeds on your desktop a reality. They are simple plug and play products, with high performance ports provided that allow for simple and effective expansion of small and medium business networks, making work that bit more efficient. At the same time, the updated products in this series feature green technology that can significantly reduce power consumption, effectively reducing network maintenance costs while protecting the environment.

16/24/48-Port Gigabit Rackmount Switch
TL-SG1016/TL-SG1024/TL-SG1048

• 16/24/48 Gigabit RJ45 ports
• Switching capacity: 32Gbps, 48Gbps, 96Gbps
  Forwarding rate: 23.8Mpps, 35.7Mpps, 71.4Mpps
• 8K MAC address table and 10KB Jumbo Frame
• Green Ethernet technology
• Support QoS (802.1p/DSCP)*
• Fanless design
• 19-inch rack-mountable steel case

* Only TL-SG1016/TL-SG1024 support QoS

8/16/24-Port Gigabit Switch
TL-SG1008/TL-SG1016D/TL-SG1024D

• 8/16/24 Gigabit RJ45 ports
• Switching capacity: 16Gbps, 32Gbps, 48Gbps
  Forwarding rate: 11.9Mpps, 23.8Mpps, 35.7Mpps
• 4K/8K/8K MAC address table and 15/10/10KB Jumbo Frame
• Green Ethernet technology
• Support QoS (802.1p/DSCP) and IGMP Snooping*
• Fanless design
• 13-inch desktop/rack-mountable steel case

* Only TL-SG1008 supports IGMP Snooping

	TL-SG1048	TL-SG1024	TL-SG1016	TL-SG1024D	TL-SG1016D	TL-SG1008
Product Picture						
Model	TL-SG1048	TL-SG1024	TL-SG1016	TL-SG1024D	TL-SG1016D	TL-SG1008
Product Description	48-Port Gigabit Rackmount Switch	24-Port Gigabit Rackmount Switch	16-Port Gigabit Rackmount Switch	24-Port Gigabit Desktop / Rackmount Switch	16-Port Gigabit Desktop / Rackmount Switch	8-Port Gigabit Desktop / Rackmount Switch
Gigabit RJ45 Ports	48	24	16	24	16	8
MAC Address Table	8k					4K
Switching Capacity	96Gbps	48Gbps	32Gbps	48Gbps	32Gbps	16Gbps
Forwarding Rate	71.4Mpps	35.7Mpps	23.8Mpps	35.7Mpps	23.8Mpps	11.9Mpps
Jumbo Frame	12KB	10KB	10KB	10KB	10KB	15KB
Fanless	●					
Green Technology	●					
Auto-Negotiation /Auto MDI/MDIX	●					
802.3X Flow Control & Back Pressure	●					
QoS	-	802.1p/DSCP				
IGMP Snooping	-					●
Transfer Method	Store and Forward					
Power Supply	100-240VAC, 50/60Hz					
Certifications	CE, FCC					
Dimensions (W × D × H)	17.3 x 8.7 x 1.7 in. (440 x 220 x 44 mm)	17.3 x 7.1 x 1.7 in. (440 x 180 x 44 mm)				11.6 × 7.1 × 1.7 in. (294 × 180 × 44 mm)
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing					

Unmanaged Switches

Fast Ethernet Unmanaged Rackmount Switches

Overview

TP-Link's Fast Ethernet Switches are simple plug and play products, with no software configuration required. They are designed to meet the needs of even the most demanding network connections, making work that bit more efficient. At the same time, the updated products in this series feature green technology that can significantly reduce power consumption, effectively reducing network maintenance costs while protecting the environment.

48-Port 10/100Mbps Rackmount Switch
TL-SF1048

- 48 10/100Mbps RJ45 ports
- Switching capacity: 9.6Gbps, Forwarding rate: 7.1Mpps
- 8K MAC address table
- Green Ethernet technology
- Fanless design
- 19-inch rack-mountable steel case

24-Port 10/100Mbps Rackmount Switch
TL-SF1024

- 24 10/100Mbps RJ45 ports
- Switching capacity: 4.8Gbps, Forwarding rate: 3.6Mpps
- 8K MAC address table
- Green Ethernet technology
- Fanless design
- 19-inch rack-mountable steel case

16-Port 10/100Mbps Rackmount Switch
TL-SF1016

- 16 10/100Mbps RJ45 ports
- Switching capacity: 3.2Gbps, Forwarding rate: 2.4Mpps
- 8K MAC address table
- Green Ethernet technology
- Fanless design
- 19-inch rack-mountable steel case

16/24-Port 10/100Mbps Desktop/Rackmount Switch
TL-SF1016DS/TL-SF1024D

- 16/24 10/100Mbps RJ45 ports
- Switching capacity: 3.2Gbps, 4.8Gbps
  Forwarding rate: 2.4Mpps, 3.6Mpps
- 8K MAC address table
- Green Ethernet technology
- Fanless design
- 13-inch desktop/rack-mountable steel case

Product Picture			
Model	TL-SF1048	TL-SF1024	TL-SF1024D
Product Description	48-Port 10/100Mbps Rackmount Switch	24-Port 10/100Mbps Rackmount Switch	24-Port 10/100Mbps Desktop/Rackmount Switch
10/100Mbps RJ45 Ports	48	24	24
MAC Address Table	8K		
Switching Capacity	9.6Gbps	4.8Gbps	
Forwarding Rate	7.14Mpps	3.57Mpps	
Fanless	•		
Green Technology	•		
Auto Negotiation / Auto MDI/MDIX	•		
Flow Control & Back Pressure	•		
Transfer Method	Store and Forward		
Power Supply	100-240VAC, 50/60Hz		
Certifications	CE, FCC		
Dimensions (W × D × H)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)	11.6 × 7.1 × 1.7 in. (194 × 180 × 44 mm)
Environment	Operating Temperature: 0°C ~40°C (32°F~104°F); Storage Temperature: -40°C ~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing		

Product Picture		
Model	TL-SF1016	TL-SF1016DS
Product Description	16-Port 10/100Mbps Rackmount Switch	16-Port 10/100Mbps Desktop/Rackmount Switch
10/100Mbps RJ45 Ports	16	
MAC Address Table	8K	
Switching Capacity	3.2Gbps	
Forwarding Rate	2.38Mpps	
Fanless	•	
Green Technology	•	
Auto Negotiation / Auto MDI/MDIX	•	
Flow Control & Back Pressure	•	
Transfer Method	Store and Forward	
Power Supply	100-240VAC, 50/60Hz	
Certifications	CE, FCC	
Dimensions (W × D × H)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)	11.6 × 7.1 × 1.7 in. (294 × 180 × 44 mm)
Environment	Operating Temperature: 0°C ~40°C (32°F~104°F); Storage Temperature: -40°C ~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing	

Unmanaged Switches

Unmanaged Desktop Switches

Overview

TP-Link's Unmanaged Desktop Switches are simple plug & play products, providing an easy way to expand your wired network. Gigabit ports effortlessly speed up your wired connections, while steel housing and a compact design ensure flexible placement. Moreover, with TP-Link green technology, Desktop Switches can effectively reduce power consumption, making them an eco-friendly solution for your home or office network.

5/8-Port Gigabit Desktop Switch

TL-SG105/SG1005D/TL-SG108/TL-SG1008D

- 5/5/8/8 Gigabit RJ45 ports
- Switching capacity: 10/16Gbps, Forwarding rate: 7.4/11.9Mpps
- 2K/2K/4K/4K MAC address table and 15KB Jumbo Frame
- Green Ethernet technology
- Support QoS (802.1p/DSCP) and IGMP Snooping*
- Steel/plastic housing, desktop and fanless design

5/8/16/24-Port 10/100Mbps Desktop Switch

TL-SF1005D/TL-SF1008D/TL-SF1016D/TL-SF1024M

- 5/8/16/24 10/100Mbps RJ45 ports
- Switching capacity: 1.0Gbps, 1.6Gbps, 3.2Gbps, 4.8Gbps
  Forwarding rate: 0.7Mpps, 1.2Mpps, 2.4Mpps, 3.57Mpps
- 1K/1K/2K/8K MAC address table and 1518B/2KB/2KB/2KB Jumbo Frame
- Green Ethernet technology
- Plastic housing, desktop and fanless design

Product Picture			
Model	TL-SG108/TL-SG1008D	TL-SG105/TL-SG1005D	TL-SF1005D/TL-SF1008D/TL-SF1016D/TL-SF1024M
Product Description	8-Port Gigabit Desktop Switch	5-Port Gigabit Desktop Switch	5/8/16/24-Port 10/100Mbps Desktop Switch
Gigabit RJ45 Ports	8	5	-
10/100Mbps RJ45 Ports	-	-	5/8/16/24
MAC Address Table	4K	2K	1K/1K/2K/8K
Switching Capacity	16Gbps	10Gbps	1.0Gbps/1.6Gbps/3.2Gbps/4.8Gbps
Forwarding Rate	11.9Mpps	7.4Mpps	0.7Mpps/1.2Mpps/2.4Mpps/3.57Mpps
Jumbo Frame	15KB		1518B/2KB/2KB/2KB
Fanless	●		
Green Technology	●		
Auto Negotiation / Auto MDI/MDIX	●		
Flow Control & Back Pressure	●		
QoS	802.1p/DSCP		-
IGMP Snooping	●*		-
Transfer Method	Store and Forward		
Power Supply	External Power Adapter (Output: 9VDC / 0.6A)		External Power Adapter (TL-SF1005D & TL-SF1008D: 5VDC / 0.6A TL-SF1016D & TL-SF1024M: 9VDC / 0.6A)
Certifications	CE, FCC		
Dimensions (W × D × H)	TL-SG108: 6.2 x 4.0 x 1.0 in. (158 x 101 x 25 mm) TL-SG1008D: 7.1 x 3.5 x 1.0 in. (180 x 90 x 25.5 mm)	TL-SG105: 3.9 x 3.9 x 1.0 in. (100 x 98 x 25 mm) TL-SG1005D: 5.5 x 3.5 x 0.9 in. (140 x 88 x 23 mm)	TL-SF1005D: 4.1 x 2.7 x 0.9 in. (103 x 69 x 22 mm) TL-SF1008D: 5.3 x 3.1 x 0.9 in. (135 x 79 x 23 mm) TL-SF1016D: 7.9 x 5.6 x 1.6 in. (201 x 143 x 41 mm) TL-SF1024M: 8.7 x 5.0 x 1.8 in. (222 x 126 x 45 mm)
Environment	Operating Temperature: 0°C ~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing		

* Only TL-SG105/TL-SG108 support IGMP Snooping

Power over Ethernet

TP-Link PoE Switch Series

TP-Link's Power over Ethernet (PoE) switches are specifically designed to meet either the 802.3af standard, or the 802.3 PoE Plus standard for powering network devices. Electrical power is transmitted along with data in a single cable, allowing users to expand their networks to places where there are no power sockets. TP-Link provides both managed and unmanaged PoE switches. With PoE, installation of network devices such as APs, IP cameras, IP phones, and other PoE enabled devices in hard-to-reach outdoor, and remote areas is simplified.
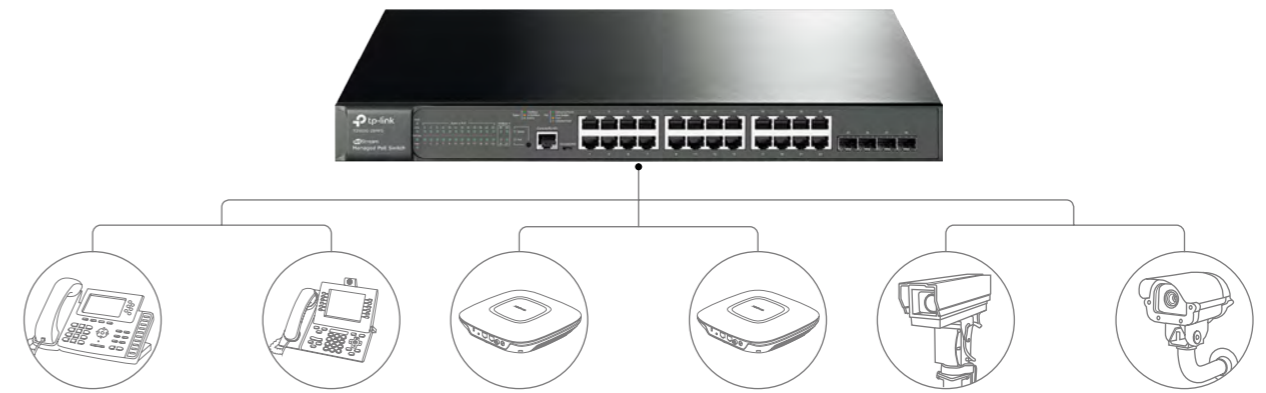

TL-SF1008P/TL-SG1008P/TL-SG1008PE/
TL-SG108PE/TL-SG1016PE

T1500G-10PS (TL-SG2210P)/T1500G-10MPS/
T1500-28PCT (TL-SL2428P)/T1600G-28PS (TL-SG2424P)/
T1600G-52PS (TL-SG2452P)/T2600G-28MPS (TL-SG3424P)

Typical Application

JetStream 24-Port Gigabit L2 Managed PoE+
Switch with 4 SFP Slots
T2600G-28MPS (TL-SG3424P)

POE+ Supported **384W** Power Budget

IP Phones (PoE Supported)   **Wireless Access Points** (PoE Supported)   **IP Cameras** (PoE Supported)

Switches

Power over Ethernet

Accessories

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Power over Ethernet

PoE Switches

Overview

TP-Link's Power over Ethernet (PoE) Switches can automatically detect and supply power to IEEE 802.3at/af compliant Powered Devices (PDs). In this setup, electrical power is transmitted along with data in a single cable. Users can expand their network in places where there are no power sockets available, to fixed devices such as APs, IP cameras or IP phones.

JetStream 24-Port Gigabit L2 Managed PoE+ Switch with 4 SFP Slots

T2600G-28MPS (TL-SG3424P)

• 24 Gigabit RJ45 ports (All ports support IEEE802.3at/af standards), 4 Gigabit SFP expansion slots, 1 RJ45 Console port and 1-Micro USB Console port
• Switching capacity: 56Gbps, Forwarding rate: 41.7Mpps
• 384W PoE Power Budget
• 16K MAC Address table and 9KB Jumbo Frame
• 19-inch rack-mountable steel case

JetStream 48-Port Gigabit Smart PoE+ Switch with 4 SFP Slots

T1600G-52PS (TL-SG2452P)

• 48 Gigabit RJ45 ports (All ports support IEEE 802.3at/af standards), 4 Gigabit SFP expansion slots,
• Switching capacity: 104Gbps, Forwarding rate: 77.4Mpps
• 384W PoE Power Budget
• 16K MAC address table and 9KB Jumbo Frame
• 19-inch rack-mountable steel case

JetStream 24-Port Gigabit Smart PoE+ Switch with 4 SFP Slots

T1600G-28PS (TL-SG2424P)

• 24 Gigabit RJ45 ports (All ports support IEEE 802.3at/af standards) 4 Gigabit SFP expansion slots
• Switching capacity: 56Gbps, Forwarding rate: 41.7Mpps
• 192W PoE Power Budget
• 16K MAC address table and 9KB Jumbo Frame
• 19-inch rack-mountable steel case

JetStream 8-Port Gigabit Smart PoE+ Switch with 2 SFP Slots

T1500G-10MPS

• 8 Gigabit RJ45 ports (All ports support IEEE 802.3at/af standards), 2 Gigabit SFP expansion slots
• Switching capacity: 20Gbps, Forwarding rate: 14.9Mpps
• 116W PoE Power Budget
• 8K MAC address table and 9KB Jumbo Frame
• 13-inch desktop/rack-mountable steel case

JetStream 8-Port Gigabit Smart PoE Switch with 2 SFP Slots

T1500G-10PS (TL-SG2210P)

• 8 Gigabit RJ45 ports(All ports support IEEE 802.3af standard), 2 Gigabit SFP expansion slots
• Switching capacity:20Gbps, Forwarding rate:14.9Mpps
• 53W PoE Power Budget
• 8K MAC address table and 9KB Jumbo Frame
• Desktop steel case

JetStream 24-Port 10/100Mbps + 4-Port Gigabit Smart PoE+ Switch

T1500-28PCT (TL-SL2428P)

• 24 10/100Mbps + 4 Gigabit RJ45 ports (24 10/100Mbps ports support IEEE 802.3at/af standards), 2 combo Gigabit SFP expansion slots
• Switching capacity: 12.8Gbps, Forwarding rate: 9.5Mpps
• 192W PoE Power Budget
• 8K MAC address table and 9KB Jumbo Frame
• 19-inch rack-mountable steel case

		T2600G-28MPS (TL-SG3424P)	T1600G-52PS (TL-SG2452P)	T1600G-28PS (TL-SG2424P)	T1500G-10MPS	T1500G-10PS (TL-SG2210P)	T1500-28PCT (TL-SL2428P)
	Product Picture						
	Model	T2600G-28MPS (TL-SG3424P)	T1600G-52PS (TL-SG2452P)	T1600G-28PS (TL-SG2424P)	T1500G-10MPS	T1500G-10PS (TL-SG2210P)	T1500-28PCT (TL-SL2428P)
	Product Description	JetStream 24-Port Gigabit L2 Managed PoE+ Switch with 4 SFP Slots	JetStream 48-Port Gigabit Smart PoE+ Switch with 4 SFP Slots	JetStream 24-Port Gigabit Smart PoE+ Switch with 4 SFP Slots	JetStream 8-Port Gigabit Smart PoE+ Switch with 2 SFP Slots	JetStream 8-Port Gigabit Smart PoE Switch with 2 SFP Slots	JetStream 24-Port 10/100Mbps + 4-Port Gigabit Smart PoE+ Switch
Hardware	10/100Mbps RJ45 Ports			-			24, all support PoE+
	Gigabit RJ45 Ports	24, all support PoE+	48, all support PoE+	24, all support PoE+	8, all support PoE+	8, all support PoE	4
	Gigabit SFP Ports		4			2	2 (Combo)
	Console Port	1 (RJ45), 1 (Micro-USB)		-			
	Standards	IEEE 802.3i, 802.3u, 802.3ab, 802.3ad, 802.3x, 802.3af, 802.3at, 802.1Q, 802.1p, 802.1d, 802.1w, 802.1s, 802.1x					
	Auto Negotiation / Auto MDI/MDIX			●			
	Flow Control			●			
	Power Supply	100-240VAC, 50/60Hz				External Power Adapter (Output: 48VDC / 1.25A)	100-240VAC, 50/60Hz
	PoE Power Budget	384W	384W	192W	116W	53W	192W
	Fanless		-			●	-
	Certifications	CE, FCC					
	Dimensions (W × D × H)	17.3 x 13 x 1.7 in. (440 x 330 x 44 mm)	17.3 × 13 × 1.7 in. (440 × 330 × 44 mm)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)	11.6 × 7.1 × 1.7 in. (294 × 180 × 44 mm)	8.2 × 4.9 × 1.0 in. (209 × 126 × 26 mm)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)
	Environment	Operating Temperature: 0°C ~40°C (32°F~104°F); Storage Temperature: -40°C ~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing					
Performance	Switch Capacity	56Gbps	104Gbps	56Gbps	20Gbps	20Gbps	12.8Gbps
	Forwarding Rate	41.7Mpps	77.4Mpps	41.7Mpps	14.9Mpps	14.9Mpps	9.5Mpps
	MAC Address Table	16K				8K	
	Jumbo Frame	9KB					
L3 Features	Static Routing		●			-	
	DHCP Relay		●			-	
	IGMP Snooping	V1/V2/V3					
L2 Features	STP/RSTP/MSTP			●			
	BPDU Filtering/Guard			●			
	ROOT Guard/Loopback Detection			●			
	QinQ	●		-			
	VLAN	802.1Q/MAC-based/ Protocol-based/Private/ Voice VLAN	802.1Q/MAC-based/Protocol-based/Voice VLAN			802.1Q/Voice VLAN	
	QoS	8 Queues/Port 802.1p/IP DSCP based CoS, ToS				4 Queues/Port 802.1p/IP DSCP based CoS, ToS	
	Rate Limit			●			
	Port Isolation			●			
	Port Mirroring			●			
	LACP			●			
	Link Aggregation			●			
	DHCP Snooping			●			
	DHCP & BOOTP Client			●			
Security	Access Control List			●			
	IP+MAC+PORT+VID Binding			●			
	Storm Control			●			
	Port Security			●			
	SSH & SSL			●			
	IP Source Guard	●		-			
	DoS Defend			●			
	Dynamic ARP Inspection			●			
	IEEE 802.1X Authentication			●			
	Guest VLAN			●			
System Management	SNMP	V1/V2c/V3					
	RMON	Group 1, 2, 3, 9					
	Command Line Interface (CLI)	Telnet					
	Dual Image			●			
	sFlow	●		-			
	Ethernet OAM	●		-			
	LLDP/LLDP-MED			●			
	IPv6		●			-	
	Firmware Upgrade			●			
	System Diagnose	VCT/Looback Detection/CPU Monitor/Ping/Tracert					
	Web Interface/SYSLOG/ MIBS			●			

Switches
Power over Ethernet
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Power over Ethernet

PoE Switches

Overview

TP-Link's Power over Ethernet (PoE) Switches can automatically detect and supply power to IEEE 802.3at/af compliant Powered Devices (PDs). In this setup, electrical power is transmitted along with data in a single cable. Users can expand their network in places where there are no power sockets available, to fixed devices such as APs, IP cameras or IP phones.

16-Port Gigabit Easy Smart Switch with 8-Port PoE+

TL-SG1016PE

- 16 Gigabit RJ45 ports (Port 1~Port 8 support IEEE802.3 at/af standards)
- Switching capacity: 32Gbps, Forwarding rate: 23.8Mpps
- About 110W PoE Power Budget
- 8K MAC Address Table and 10KB Jumbo Frame
- 13-inch desktop/rack-mountable steel case

8-Port Gigabit Easy Smart Switch with 4-Port PoE

TL-SG108PE

- 8 Gigabit RJ45 ports (Port 1~Port 4 support IEEE802.3af standard)
- Switching capacity: 16Gbps, Forwarding rate: 11.9Mpps
- 55W PoE Power Budget
- 4K MAC Address Table and 15KB Jumbo Frame
- Fanless design
- Desktop steel case

8-Port Gigabit Desktop/Rackmount Switch with 8-Port PoE+

TL-SG1008PE

- 8 Gigabit RJ45 ports(All ports support IEEE 802.3at/af standards)
- Switching capacity: 16Gbps, Forwarding rate: 11.9Mpps
- 126W PoE Power Budget
- 4K MAC address table and 15KB Jumbo Frame
- Supports QoS (802.1p/DSCP) and IGMP Snooping
- 13-inch desktop/rack-mountable steel case

8-Port Gigabit Desktop Switch with 4-Port PoE

TL-SG1008P

- 8 Gigabit RJ45 ports (Port 1~Port 4 support IEEE 802.3af standard)
- Switching capacity: 16Gbps, Forwarding rate: 11.9Mpps
- 55W PoE Power Budget
- 4K MAC address table and 15KB Jumbo Frame
- Supports QoS (802.1p/DSCP) and IGMP Snooping
- Desktop steel case

8-Port 10/100Mbps Desktop Switch with 4-Port PoE

TL-SF1008P

- 8 10/100Mbps RJ45 ports (Port 1~Port 4 support IEEE 802.3af standards)
- Switching capacity: 1.6Gbps, Forwarding rate: 1.2Mpps
- 57W PoE Power Budget
- 1K MAC address table
- Desktop steel case

		TL-SG1016PE	TL-SG108PE	TL-SG1008PE	TL-SG1008P	TL-SF1008P
	Product Picture					
	Model	TL-SG1016PE	TL-SG108PE	TL-SG1008PE	TL-SG1008P	TL-SF1008P
	Product Description	16-Port Gigabit Easy Smart Switch with 8-Port PoE+	8-Port Gigabit Easy Smart Switch with 4-Port PoE	8-Port Gigabit Desktop/ Rackmount Switch with 8-Port PoE+	8-Port Gigabit Desktop Switch with 4-Port PoE	8-Port 10/100Mbps Desktop Switch with 4-Port PoE
Hardware	10/100Mbps RJ45 Port			-		8, Port 1~4 support PoE
	Gigabit RJ45 Ports	16 (Port 1~8 support PoE+)	8 (Port 1~4 support PoE)	8 (all ports support PoE+)	8 (Port 1~4 support PoE)	-
	Standards	IEEE802.3i, 802.3u, 802.3x, 802.3at, 802.3af,	IEEE802.3i, 802.3u, 802.3ab, 802.3x, 802.3af,	IEEE802.3i, 802.3u, 802.3ab, 802.3x, 802.3at, 802.3af,	IEEE802.3i, 802.3u, 802.3ab, 802.3x, 802.3af,	IEEE802.3i, 802.3u, 802.3x, 802.3af
	Auto Negotiation / Auto MDI/MDIX			●		
	Flow Control			●		
	Power Supply	100-240VAC, 50/60Hz	External Power Adapter (Output: 48VDC / 1.25A)	100-240VAC, 50/60Hz	External Power Adapter (Output: 48VDC / 1.25A)	
	PoE Power Budget	About 110W	55W	126W	55W	57W
	Fanless	-	●	-	●	
	Certifications			CE, FCC		
	Dimensions (W × D × H)	11.6 × 7.1 × 1.7 in. (294 × 180 × 44 mm)	6.2 × 4.0 × 1.0 in. (158 × 101 × 25 mm)	11.6 × 7.1 × 1.7 in. (294 × 180 × 44 mm)	6.7 × 3.9 × 1.1 in. (171 × 98 × 27 mm)	6.7 × 3.9 × 1.1 in. (171 × 98 × 27 mm)
	Environment	Operating Temperature: 0°C~40°C(32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing				
Performance	Switch Capacity	32Gbps		16Gbps		1.6Gbps
	Forwarding Rate	35.7Mpps		11.9Mpps		1.2Mbps
	MAC Address Table	8K		4K		1K
	Jumbo Frame	10KB		15KB		-
Software Features	IGMP Snooping	v1/v2/v3		v1/v2		
	Link Aggregation (Static LAG)	●		-		
	Port Mirroring	●		-		
	Cable Test	●		-		
	Loop Prevention	●		-		-
	VLAN	MTU/Port/802.1Q VLAN		-		
	QoS	4 Queues, Port/802.1p/DSCP		802.1p/DSCP		
	Rate Limit	●		-		
	Strom Control	●		-		
	Firmware Upgrade	●		-		

Switches

Power over Ethernet

Accessories

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and Accessories

Routers

Solutions
for Business

10 Gigabit SFP+ Module

Product Picture	
Model	TX432
Product Description	10-Gigabit 2-Port SFP+ Module
Standard	IEEE 802.3ae, IEEE 802.3aq, SFF-8431
LED	M1,M2
Dimensions	5.2 x 3.6 x 1.2 in. (131 x 92 x 31mm)
Max Power Consumption	6.57W with Fiber
Certifications	CE, FCC
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing

SFP+ Cable

Product Picture		
Model	TXC432-CU1M	TXC432-CU3M
Product Description	1M Direct Attach SFP+ Cable	1M Direct Attach SFP+ Cable
Cable Length	1m	3m
Data Rate	10Gbps	
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing	

Redundant Power Supply

Product Picture			
Model	RPS150	PSM150-AC	RPS2
Product Description	150W Redundant Power Supply	150W AC Power Supply Module	Dual Bay Rackmountable RPS Shelf
AC Power Input	100-240V~ 50/60Hz 2.5A	100-240V~ 50/60Hz 2.5A	-
DC Power Output	12V/12.5A		-
Maximum Power Output	150W		-
LEDs	Power, FAN	Power, PS OK, Fault	-
Dimensions	7.9 x 8.0 x 1.7 in. (200 x 204 x 44 mm)	4.7 x 8.4 x 1.6 in. (120 x 213 x 41.8 mm)	19.0 x 7.5 x 2.2 in. (482 x 190 x 56 mm)
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing		

PoE Adapters

Overview

TP-Link's Power over Ethernet (PoE) Adapters can help deliver your power and data through one Ethernet cable, allowing you to expand your network to those places where there are no power lines or outlets. Among TP-Link's family of PoE Adapters, TL-POE150S and TL-POE10R support IEEE 802.3af standard, making them highly compatible with all IEEE 802.3af compliant devices. TL-POE200 is a pair product and includes TL-POE200A and TL-POE200B, which are recommended to be used together.

TL-POE150S

- Support IEEE 802.3af standard
- Support Gigabit speed
- Auto MDI/MDIX, Auto Negotiation
- LED indicator for PWR, Link/Act

TL-POE10R

- Support IEEE 802.3af standard
- Support Gigabit speed
- Optional 12V/9V/5V power supply
- Auto MDI/MDIX, Auto Negotiation

TL-POE200

- Optional 12V/9V/5V power supply
- Auto MDI/MDIX, Auto Negotiation

Product Picture				
Model	TL-POE150S	TL-POE10R	TL-POE200	
Product Description	PoE Injector	PoE Splitter	PoE Injector	PoE Splitter
RJ45 Ports	1 Gigabit RJ45 LAN port 1 Gigabit RJ45 PoE port		1 10/100Mbps RJ45 LAN port 1 10/100Mbps RJ45 PoE port	
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, 802.3af; CSMA/CD, TCP/IP		IEEE802.3, IEEE802.3u; CSMA/CD, TCP/IP	
Power Supply	Input: 100-240VAC	Output: 5/9/12VDC	Input: 100-240VAC	Output: 5/9/12VDC
Certifications	CE, FCC			
Dimensions (W × D x H)	3.2 x 2.1 x 0.9 in. (80.8 x 54 x 24 mm)			
Enviroment	Operating Temperature: 0°C ~40°C (32°F~104°F); Storage Temperature: -40°C ~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~89% non-condensing			

Media Converters

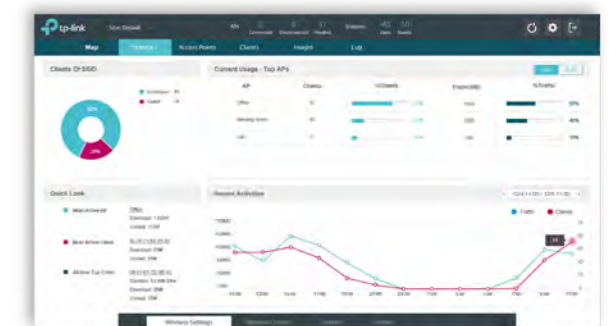| Product Picture							
Model	MC200CM	MC210CS	MC220L	MC100CM	MC110CS	MC111CS	MC112CS
Product Description	Gigabit Ethernet Media Converter	Gigabit Ethernet Media Converter	Gigabit Ethernet Media Converter	Fast Ethernet Media Converter	Fast Ethernet Media Converter	WDM Fast Ethernet Media Converter	WDM Fast Ethernet Media Converter
Interface	1 Gigabit SC/UPC Port		1 Gigabit SC Port	1 10/100Mbps SC/UPC Port			
	1 10/1001000Mbps RJ45 Port (Auto MDI/MDIX)			1 10/100Mbps RJ45 Port (Auto MDI/MDIX)			
Standards	IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x			IEEE 802.3u, IEEE 802.3x			
Transmission Media	Multi-mode Fiber, Cat-5	Single-mode Fiber, Cat-5	Multi/Single-mode Fiber, Cat-5	Multi-mode Fiber, Cat-5	Single-mode Fiber, Cat-5	Single-mode Fiber, Cat-5	Single-mode Fiber ,Cat-5
Wave Length	850nm	1310nm	Depends on the SFP Modules used	1310nm	1310nm	TX:1550nm RX:1310nm	TX:1310nm RX:1550nm
Transmission Distance	0.55km	15km	0.55km /10km	2km	20km	20km	20km
Certifications	FCC, CE						
Dimensions (W × D × H)	3.7 × 2.9 × 1.1 in. (94.5 × 73.0 × 27.0 mm)						
Enviroment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~89% non-condensing						

Product Picture	
Model	TL-MC1400
Product Description	14-Slot Rackmount Chassis
Interface	14 bays to house up to 14 media converters
Certifications	FCC, CE
Dimensions (W x D x H)	19.0 x 14.1 x 3.4 in. (482 x 358 x 86mm) Standard 19-Inch, 2U height
Weight	8Kg
Enviroment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~89% non-condensing

SFP Modules

Product Picture						
Model	TL-SM311LM	TL-SM311LS	TL-SM321A	TL-SM321B	TXM431-SR	TXM431-LR
Product Description	Multi-mode SFP Module	Single-mode SFP Module	1000Base-BX WDM Bi-Directional SFP module	1000Base-BX WDM Bi-Directional SFP module	10GBase-SR SFP+ LC Transceiver	10GBase-LR SFP+ LC Transceiver
Cable	Multi-mode Fiber	Single-mode Fiber	Single-mode Fiber	Single-mode Fiber	Multi-mode Fiber	Single-mode Fiber Fiber
Fiber Type	50/125µm or 62.5/125µm Multi-mode	9/125 µm Single-mode	9/125 µm Single-mode	9/125 µm Single-mode	50/125µm or 62.5/125µm Multi-mode	9/125 µm Single-mode
MAX. Cable Length	550m	10km	10km	10km	300m or 33m	10km
Standard	IEEE 802.3z				IEEE 802.3ae, CSMA/CD, TCP/IP	
Data Rate	1.25Gbps				10Gbps	
Port Type	LC				LC/UPC	
Wave Length	850nm	1310nm	TX: 1550nm RX: 1310nm	TX: 1310nm RX: 1550nm	850nm	1310nm
Power Supply	3.3V					
Certifications	CE, FCC					
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing					

Auranet Business Wi-Fi Solution

Auranet Controller Software for EAP Series

TP-Link's free Auranet Controller Software allows users to conveniently manage hundreds of TP-Link Auranet EAPs spread across multiple sites all from a single location. The ability to control, adjust, and visualize the entire network from any connected PC makes centralized business Wi-Fi management more efficient and cost-effective than ever before. The Auranet Controller Software integrates seamlessly with Auranet EAP series devices to create cost-effective business Wi-Fi solutions that offer ultimate performance.

Convenient and Effective Management

- Free to use, no expensive hardware controller required
- Easy-to-use, no special training necessary
- Scalable Management, allowing for hundreds of Auranet APs under one centralized controller
- Regardless of geography, managing Auranet APs in multiple sites from a central location

Real-time Status Monitoring

- Visual statistic analytics showing overall network usage and traffic distribution
- Instantly view data traffic and client connections for any individual Auranet AP
- Easily monitor the activity of each respective clients
- Effectively provides comprehensive client connection logs and detects rogue APs

Auranet Business Wi-Fi Solution

802.11ac Auranet EAPs

Overview

The TP-Link Auranet Business Wi-Fi Solution - EAP Series provides a flexible, easy-to-deploy, user-friendly and manageable business-class wireless network solution. Centralized WLAN management is made simple with our free centralized management software – Auranet Controller. The 802.11ac Auranet EAP Series is a new generation of high-performance products, designed to be easily mounted to a wall or ceiling. Auranet EAP solution features captive portal and advanced RF management, making them ideal for the demanding multi-user business environments of campuses, hotels, malls and offices.

AC1900 Wireless Dual Band Gigabit Access Point

EAP330

- Simultaneous Dual Band, with maximum speeds of up to 600Mbps over 2.4GHz and 1300Mbps over 5GHz
- 2 Gigabit Ethernet ports
- Supports Power over Ethernet (IEEE 802.3at) for flexible deployment
- Ceiling or Wall Mounting

AC1200 Wireless Dual Band Gigabit Access Point

EAP320

- Simultaneous Dual Band, with maximum speeds of up to 300Mbps over 2.4GHz and 867Mbps over 5GHz
- 1 Gigabit Ethernet port, 1RJ45 console port
- Support Power over Ethernet (IEEE 802.3at) for flexible deployment
- Ceiling or Wall Mounting

AC1750 Wireless Dual Band Gigabit Access Point

EAP245

- Simultaneous Dual Band, with maximum speeds of up to 450Mbps over 2.4GHz and 1300Mbps over 5GHz
- 1 Gigabit Ethernet port
- Supports Power over Ethernet (IEEE 802.3at) for flexible deployment
- Ceiling or Wall Mounting

AC1200 Wireless Dual Band Gigabit Access Point

EAP225

- Simultaneous Dual Band, with maximum speeds of up to 300Mbps over 2.4GHz and 867Mbps over 5GHz
- 1 Gigabit Ethernet port
- Supports Power over Ethernet (IEEE 802.3af) for flexible deployment
- Ceiling or Wall Mounting

Features

Wireless Function

- IEEE 802.11a/b/g/n/ac
- Multiples SSIDs
- Automatic Channel Assignment
- Transmit Power Control
- QoS (WMM)
- Load Balance
- Band Steering
- Rate Limit
- Beamforming[1]
- Airtime Fairness[1]
- Wireless Schedule

Wireless Security

- Captive Portal Authentication
- Access Control
- MAC Address Filtering
- Wireless Isolation between Clients
- SSID to VLAN Mapping
- Rogue AP Detection
- 802.1x Support
- WEP, WPA/WPA2-PSK, WPA/WPA2-Enterpise Encryption

Centralized Network Management

- Free Controller Software
- L3 Management
- Multi-Site Management
- Automatic Device Discovery
- Centralized Configuration
- Centralized Monitoring
- Unified Firmware Upgrade

[1] Only supported by model EAP320/EAP330

		EAP330	EAP320	EAP245	EAP225
Product Picture					
Model		EAP330	EAP320	EAP245	EAP225
Product Description		AC1900 Wireless Dual Band Gigabit Access Point	AC1200 Wireless Dual Band Gigabit Access Point	AC1750 Wireless Dual Band Gigabit Access Point	AC1200 Wireless Dual Band Gigabit Access Point
Main Design	Wireless Frequency	2.4GHz and 5GHz			
	Compatibility	IEEE802.11a/b/g/n/ac			
	Maximum Data Rate	Up to 600Mbps(2.4GHz)+ 1300 Mbps(5GHz)	Up to 300Mbps(2.4GHz)+ 867 Mbps(5GHz)	Up to 450Mbps(2.4GHz)+ 1300 Mbps(5GHz)	Up to 300Mbps(2.4GHz)+ 867 Mbps(5GHz)
	Internal Antennas	2.4GHz: 3*6dBi 5GHz: 3*7dBi	2.4GHz: 2*5dBi 5GHz: 2*6dBi	2.4GHz: 3*4dBi 5GHz: 3*4dBi	2.4GHz: 2*4dBi 5GHz: 2*4dBi
	Transmit power	CE:<20dBm(2.4GHz), <23dBm(5GHz) FCC:<27dBm			
	Ethernet Ports	Gigabit Ethernet(RJ-45)Port*2	Gigabit Ethernet(RJ-45) Port*1		
	Power over Ethernet (PoE)	IEEE 802.3at		IEEE 802.3af	
Centralized Management	Cluster	●			
Security	Captive Portal Authentication	●			
	Access Control	●			
	Wireless MAC Address Filtering	●			
	Wireless Isolation between Clients	●			
	SSID to VLAN Mapping	●			
	Rogue AP Detection	●			
	802.1X Support	●			
	Encryption	WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise			
Wireless Function	Multiple SSIDs	16 (8 on each radio)			
	Automatic Channel Assignment	●			
	Transmit Power Control	Adjust Transmit Power on dBm			
	QoS(WMM)	●			
	Airtime Fairness	●	●	-	
	Beamforming	●	●	-	
	Load Balance	●			
	Rate Limit	●			
	Reboot Schedule	●			
	Wireless Schedule	●			
Management	Management MAC Access Control	●			
	Web-Based Management	●			
	Telnet	●			
	SNMP	v1, v2c			
	System Logging	Local/Remote Syslog			
	Email Alerts	●			
Hardware	Power Supply	PoE or external 12VDC/2.5A power supply	PoE or external 12VDC/1.5A power supply		
	Max. Power Consumption	14 watts	13 watts	12.7 watts	10.15 watts
	Physical Security Lock	Kensington Lock Slot			
	Button	Reset Button			
	Watch Dog	●			
	Certification	CE, FCC, RoHS			
	Mounting	Ceiling /Wall mounting (Kits included)			
	Dimensions (W x D x H)	8.7 x 7.6 x 1.4 in. (220.5 x 193.5 x 36.5 mm)		7.1 × 7.1 × 1.9 in. (180 × 180 × 47.5 mm)	
	System Requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8, Windows 10			
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F), Storage Temperature: -40°C~70°C (-40°F~158°F), Operating Humidity: 10%~90% non-condensing, Storage Humidity: 5%~90% non-condensing			

Auranet Business Wi-Fi Solution

802.11n Auranet EAPs

Overview

The TP-Link Auranet Business Wi-Fi Solution - EAP Series provides a flexible, easy-to-deploy, user-friendly and manageable business-class wireless network solution. Centralized WLAN management is made simple with our free centralized management software – Auranet Controller. The 802.11n Auranet EAP Series supports deployment methods including wall, ceiling, pole and in-wall mounting, providing a cost-effective and complete solution for business Wi-Fi networks in numerous application scenarios.

300Mbps Wireless N Access Point
EAP115
• Wireless N Speed of up to 300Mbps
• 1 10/100Mbps Ethernet port
• Supports Power over Ethernet (IEEE 802.3af) for flexible deployment
• Ceiling or Wall Mounting

300Mbps Wireless N Access Point
EAP110
• Wireless N Speed of up to 300Mbps
• 1 10/100Mbps Ethernet port
• Supports Passive Power over Ethernet for flexible deployment.
• Ceiling or Wall Mounting

300Mbps Wireless N Wall-Plate Access Point
EAP115-Wall
• Wireless N Speed of up to 300Mbps
• 2 10/100Mbps Ethernet ports
• Supports Power over Ethernet (IEEE 802.3af) for flexible deployment
• In Wall Mounting, Fit in Standard EU Junction Box

300Mbps Wireless N Outdoor Access Point
EAP110-Outdoor
• Wireless N Speed of up to 300Mbps
• 1 10/100Mbps Ethernet port
• Supports Passive Power over Ethernet
• Pole or Wall Mounting
• 2 External Detachable Waterproof Antennas

Features

Wireless Function
• IEEE 802.11b/g/n
• Multiples SSIDs
• Automatic Channel Assignment
• Transmit Power Control
• QoS (WMM)
• Load Balance
• Rate Limit
• Wireless Schedule

Wireless Security
• Captive Portal Authentication
• Access Control
• MAC Address Filtering
• Wireless Isolation between Clients
• SSID to VLAN Mapping
• Rogue AP Detection
• 802.1x Support
• WEP, WPA/WPA2-PSK, WPA/WPA2-Enterpise Encryption
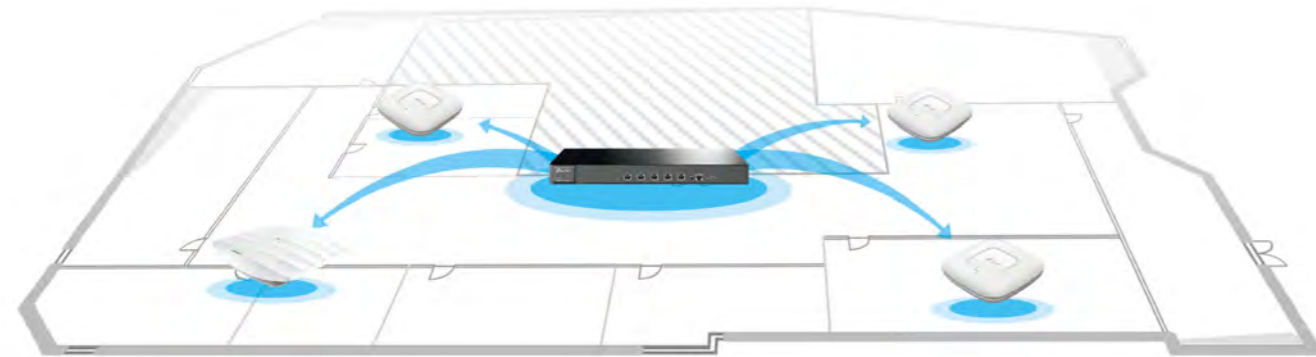
Centralized Network Management
• Free Controller Software
• L3 Management
• Multi-Site Management
• Automatic Device Discovery
• Centralized Configuration
• Centralized Monitoring
• Unified Firmware Upgrade

		EAP115	EAP110	EAP115-Wall	EAP110-Outdoor
Product Picture					
Model		EAP115	EAP110	EAP115-Wall	EAP110-Outdoor
Product Description		300Mbps Wireless N Access Point	300Mbps Wireless N Access Point	300Mbps Wireless N Wall-Plate Access Point	300Mbps Wireless N Outdoor Access Point
Main Design	Wireless Frequency	2.4GHz			
	Compatibility	IEEE 802.11b/g/n			
	Maximum Data Rate	Up to 300Mbps			
	Antennas	2*3dBi		2*1.8dBi	2*5dBi (External)
	Transmit power	CE: <20dBm FCC: <26dBm		CE: <15dBm	CE: <20dBm FCC: <27dBm
	Ethernet Ports	10/100Mbps Ethernet Port *1		10/100Mbps Ethernet Port *2	10/100Mbps Ethernet Port *1
	Power over Ethernet (PoE)	IEEE 802.3af	24V Passive PoE	IEEE 802.3af	24V Passive PoE
Centralized Management	Cluster	●		-	
	Max APs in One Cluster	24		-	
	EAP Controller Software	●			
Security	Captive Portal Authentication	●			
	Access Control	●			
	Wireless MAC Address Filtering	●			
	Wireless Isolation between Clients	●			
	SSID to VLAN Mapping	●			
	Rogue AP Detection	●			
	802.1X Support	●			
	Encryption	WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise			
Wireless Function	Multiple SSIDs	8			
	Automatic Channel Assignment	●			
	Transmit Power Control	Adjust Transmit Power on dBm			
	QoS(WMM)	●			
	Load Balance	●			
	Reboot Schedule	●			
	Wireless Schedule	●			
Management	LED ON/OFF Control	●			
	Management MAC Access Control	●			
	Web-Based Management	●			
	Telnet	●			
	SNMP	v1,v2c			
	System Logging	Local/Remote Syslog			
	Email Alerts				
Hardware	Power Supply	PoE or External 12VDC / 1A Power Supply	24V Passive PoE Power Supply	IEEE 802.3af PoE	24V Passive PoE Power Supply
	Max. Power Consumption	5 watts	6.55 watts	2.8 watts	6.3 watts
	Physical Security Lock	Kensington Lock Slot			-
	Button	Reset Button			
	Watch Dog	●			
	Certification	CE, FCC, RoHS			
	Mounting	Ceiling /Wall mounting (Kits included)		Wall Plate Mouting	Pole/Wall Mounting (Kits included)
	Dimensions (W x D x H)	7.1 × 7.1 × 1.9 in. (180 × 180 × 47.5 mm)		3.4 × 3.4 × 1.2 in. (86.8 × 86.8 × 30.2 mm)	8.2 × 3.7 × 1.7 in. (209 × 95 × 42.6 mm)
	System Requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8, Windows 10			
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F), Storage Temperature: -40°C~70°C (-40°F~158°F), Operating Humidity: 10%~90% non-condensing, Storage Humidity: 5%~90% non-condensing			Operating Temperature: -30°C~65°C (-22°F~149°F), Storage Temperature: -40°C~70°C (-40°F~158°F), Operating Humidity: 10%~90% non-condensing, Storage Humidity: 5%~90% non-condensing

Switches
Power over Ethernet
Accessories
Auranet Business Wi-Fi Solution
Pharos Wireless Broadband Solution
Outdoor AP
Antennas and Accessories
Routers
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Auranet Business Wi-Fi Solution

Auranet Wireless Controller for CAP Series

TP-Link's Auranet Business Wi-Fi Solution - CAP Series provides a scalable, manageable and secure business-class wireless network solution for devices including wireless controllers and access points. Auranet Wireless Controller is a centralized management platform, designed for small and medium-sized businesses that demand secure and reliable networks. AC50 Wireless Controller is able to manage up to 50 CAP Series access points, ideal for SOHO and small business networks, while AC500 Wireless Controller can manage up to 500 APs, providing a greater choice for medium-sized businesses.

AC500 Wireless Controller
AC500
- Manage up to 500 CAPs
- 1GHz Dual-core MIPS64 network dedicated processor
- 5 Gigabit Ethernet ports
- Automatically discover APs and configure all APs from one access controller with Unified configuration.

AC50 Wireless Controller
AC50
- Manage up to 50 CAPs
- 650MHz Network dedicated processor
- 5 10/100Mbps Ethernet ports
- Automatically discover APs and configure all APs from one access controller with Unified configuration.

Features

Wireless Function
- Multiples SSIDs
- Automatic Channel Assignment
- Transmit Power Control
- Load Balance
- Band Steering
- Reboot Schedule
- Wireless Schedule

Wireless Security
- Captive Portal Authentication
- MAC Address Filtering
- Wireless Isolation between Clients
- SSID to VLAN Mapping
- 802.1x Support
- WEP, WPA/WPA2-PSK, WPA/WPA2-Enterpise Encryption

Centralized Network Management
- L3 Management
- Automatic Device Discovery
- Centralized Configuration
- Centralized Monitoring
- Unified Firmware Upgrade

*To utilize these features, the Wireless Controller must be connected to Auranet CAP series access points

		AC500	AC50
	Product Picture		
	Model	AC500	AC50
	Product Description	AC500 Wireless Controller	AC50 Wireless Controller
Main Design	Processor	1GHz Dual-core MIPS64 network dedicated processor	650MHz Network dedicated processor
	Memory Information	256MB DDR3*2, 32MB Flash*2	128MB DDR2*1, 16MB Flash*1
	Interface	Gigabit Ethernet Port*5	10/100Mbps Ethernet Port*5
	Management Scale	Up to 500 APs	Up to 50 APs
Security	Communication protocol	CAPWAP	
	Encryption	WEP/WPA-PSK/WPA2-PSK(AES/TKTP)/WPA/WPA2	
	AP Isolation	●	●
	SSID Isolation	●	●
	SSID to VLAN Mapping	●	●
AP Management	Support AP	TP-Link Auranet CAP Series AP	
	AP Automatic Discovery	●	●
	AP Unified Configuration	●	●
	Reboot Schedule	●	●
	Batch Firmware Upgrade	●	●
	L3 Management	●	●
	AP LED ON/OFF	●	●
Monitoring	System	●	●
	AP Statistics	●	●
	Client Statistics	●	●
	Authentication User Statistics	●	●
Wireless Function	Load Balance	●	●
	Band Steering	●	●
	Rate Limit	●	●
	Auto Channel Adjustment	●	●
	Transmit Power Adjustment	●	●
	WMM	●	●
Authentication Function	Captive Portal	●	●
	MAC Filtering	●	●
System Management	Web-based Management	●	●
	Configuration Backup/Import	●	●
	Ping/Tracert Tool	●	●
	System Log	●	●
Hardware Design	Power Supply	100~240V AC, 50/60Hz	
	Dimensions (W × D × H)	17.3 × 8.9 × 1.7 in. (440 × 227 × 44 mm)	8.2 × 5.0 × 1.0 in. (209 × 126 × 26 mm)
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F), Storage Temperature: -40°C~70°C (-40°F~158°F), Operating Humidity: 10%~90% non-condensing, Storage Humidity: 5%~90% non-condensing	

Switches

Power over Ethernet

Accessories

Auranet Business Wi-Fi Solution

Pharos Wireless Broadband Solution

Outdoor AP

Antennas and Accessories

Routers

Solutions for Business

Auranet Business Wi-Fi Solution

Auranet CAPs

Overview

TP-Link's Auranet Business Wi-Fi Solution - CAP Series provides a scalable, manageable and secure business-class wireless network solution for devices including wireless controllers and access points. The Auranet CAPs can either be centrally managed by Auranet Wireless Controllers or work as standalone access points. With captive portal and advanced RF management functions, Auranet CAP solution is ideal for the demanding multi-user business environments found in campuses, hotels, malls and offices. Among them, the 802.11ac Wave 2 CAP2200 access point uses the latest technology to create faster, stronger and more reliable wireless connections for your business network.

AC2200 Wireless Tri-Band MU-MIMO Ceiling Mount Access Point
CAP2200
- Simultaneous Tri-Band, with maximum speeds of up to 400Mbps over 2.4GHz ,867Mbps over both 5GHz bands
- 2 Gigabit Ethernet ports
- Supports Power over Ethernet (IEEE 802.3at) for flexible deployment
- Ceiling or Wall Mounting

AC1750 Wireless Dual Band Gigabit Access Point
CAP1750
- Simultaneous Dual Band, with maximum speeds of up to 450Mbps over 2.4GHz and 1300Mbps over 5GHz
- 1 Gigabit Ethernet port
- Supports Power over Ethernet (IEEE 802.3at) for flexible deployment
- Ceiling or Wall Mounting

AC1200 Wireless Dual Band Gigabit Access Point
CAP1200
- Simultaneous Dual Band, with maximum speeds of up to 300Mbps over 2.4GHz and 867Mbps over 5GHz
- 1 Gigabit Ethernet port
- Supports Power over Ethernet (IEEE 802.3af) for flexible deployment
- Ceiling or Wall Mounting

300Mbps Wireless N Access Point
CAP300
- Wireless N speeds of up to 300Mbps
- 1 10/100Mbps Ethernet port
- Supports Power over Ethernet (IEEE 802.3af) for flexible deployment
- Ceiling or Wall Mounting

300Mbps Wireless N Outdoor Access Point
CAP300-Outdoor
- Wireless N speeds of up to 300Mbps
- 1 10/100Mbps Ethernet port
- Supports Power over Ethernet (IEEE 802.3af) for flexible deployment
- Pole or Wall Mounting
- 2 External Detachable Waterproof Antenna

		CAP2200	CAP1750	CAP1200	CAP300	CAP300-Outdoor
Product Picture						
Model		CAP2200	CAP1750	CAP1200	CAP300	CAP300-Outdoor
Product Description		AC2200 Wireless Tri-Band MU-MIMO Ceiling Mount Access Point	AC1750 Wireless Dual Band Gigabit Access Point	AC1200 Wireless Dual Band Gigabit Access Point	300Mbps Wireless N Access Point	300Mbps Wireless N Outdoor Access Point
Main Design	Wireless Frequency	2.4GHz and 5GHz			2.4GHz	
	Compatibility	IEEE802.11a/b/g/n/ac			IEEE 802.11b/g/n	
	Maximum Data Rate	Up to 400Mbps(2.4GHz)+867 Mbps(5GHz)+867 Mbps(5GHz)	Up to 450Mbps(2.4GHz)+1300 Mbps(5GHz)	Up to 300Mbps(2.4GHz)+867 Mbps(5GHz)	Up to 300 Mbps	
	Antennas	N/A	2.4GHz: 3*4dBi 5GHz: 3*4dBi	2.4GHz: 2*4dBi 5GHz: 2*4dBi	2*3dBi	2*5dBi (External)
	Ethernet Ports	Gigabit Ethernet Port*2	Gigabit Ethernet Port*1		10/100Mbps Ethernet Port*1	
	Power over Ethernet (PoE)	IEEE 802.3at			IEEE 802.3af	
Centralized Management	Wireless Controller			●		
Security	Captive Portal Authentication			●		
	Wireless MAC Address Filtering			●		
	Wireless Isolation between Clients			●		
	SSID to VLAN Mapping			●		
	802.1X Support			●		
	Encryption	WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise				
Wireless Function	Fast Roaming	●	-	●	-	
	Multiple SSIDs	16 (8 on each radio)			8	
	Automatic Channel Assignment			●		
	Transmit Power Control	Adjust Transmit Power on dBm				
	Band Steering	●		-		
	Load Balance			●		
	Wireless Schedule			●		
	Reboot Schedule			●		
Management	LED ON/OFF Control			●		
	Web-Based Management			●		
	Telnet			●		
	System Logging	Local/Remote Syslog				
	Email Alerts			●		
Hardware	Power Supply	PoE or external 12VDC/2.5A power supply	PoE or external 12VDC/1.5A power supply		PoE or external 12VDC/1A power supply	IEEE 802.3af PoE
	Physical Security Lock	Kensington Lock Slot				
	Button	Fit/Fat Switch, Reset Button				
	Watch Dog			●		
	Certification	CE, FCC, RoHS				
	Mounting	Ceiling/Wall mounting (Kits included)				Pole/Wall Mounting (Kits included)
	Dimensions (W x D x H)	8.7 x 7.6 x 1.4 in. (220.5 x 193.5 x 36.5 mm)	7.1 × 7.1 × 1.9 in. (180 × 180 × 47.5 mm)			8.2 × 3.7 × 1.7 in. (209 × 95 × 42.6 mm)
	System Requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8, Windows 10				
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F), Storage Temperature: -40°C~70°C (-40°F~158°F), Operating Humidity: 10%~90% non-condensing, Storage Humidity: 5%~90% non-condensing				Operating Temperature: -30°C~65°C (-22°F~149°F), Storage Temperature: -40°C~70°C (-40°F~158°F), Operating Humidity: 10%~90% non-condensing, Storage Humidity: 5%~90% non-condensing

Switches

Power over Ethernet

Accessories

Auranet Business Wi-Fi Solution

Pharos Wireless Broadband Solution

Outdoor AP

Antennas and Accessories

Routers

Solutions for Business

Pharos Wireless Broadband Solution

	300Mbps Wireless N					
	Base Station		CPE			
Model	WBS510	WBS210	CPE510	CPE210	CPE520	CPE220
Description	5GHz 300Mbps Outdoor BaseStation	2.4GHz 300Mbps Outdoor BaseStation	5GHz 300Mbps 13dBi Outdoor CPE	2.4GHz 300Mbps 9dBi Outdoor CPE	E5GHz 300Mbps 16dBi Outdoor CPE	2.4GHz 300Mbps 12dBi Outdoor CPE
Processor Specs	Atheros MIPS 74Kc, 560MHz					
Memory Information	64MB DDR2, 8MB Flash (Industrial-grade)					
Compatibility	802.11a/n	802.11b/g/n	802.11a/n	802.11b/g/n	802.11a/n	802.11b/g/n
Fruquency	5.15~5.85GHz	2.4~2.483GHz	5.15~5.85GHz	2.4~2.483GHz	5.15~5.85GHz	2.4~2.483GHz
Antenna	-	-	13dBi	9dBi	16dBi	12dBi
External Antenna Interface	2 RP-SMA connectors for MIMO antenna		-			
Transmission Power	27dBm		23dBm	27dBm	27dBm	30dBm
Weatherproof Enclosure	●					
ESD Protection	15KV					
Lightning Protection	6KV					
MIMO	●					
Dual Ethernenet Ports	●		-		●	
Grounding Protection Terminal	●					
Power Supply Method	24V Passive PoE Adapter					
Operation Modes	AP / Client / Bridge / Repeater / AP Client Router Mode (WISP Client) / AP Router					
Advanced Functions	MAXtream TDMA Technology (Time Division Multiple Access)					
Remote Management	Central Network Management Applications; Web-based GUI management; SNMP v2c					
Utilities	Spectrum Analyzer; Wireless Statistics; Antenna Adjustment; Distance Adjustment; Ping Watch Dog; Throughput Monitor; Wireless Speed Monitor					
Security	WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (AES/TKIP)					
Certifications	CE, FCC, RoHS, IP65		CE, FCC, RoHS, IPX5			
Dimensions (W × D × H)	7.8 × 3.0 × 1.6 in. (198 × 75 × 40 mm)		8.8 × 3.1 × 2.4 in. (224.3 × 79 × 60.3 mm)		10.9 × 3.1 × 2.4 in. (275.8 × 79 × 60.4 mm)	
Environment	Operating Temperature: -30°C~70°C (-22°F~158°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing					
Package Contents	Outdoor CPE/BaseStation, 24V/0.6A Passive PoE Adapter, AC Power Cord, Pole Mounting Straps, Installation Guide					

PHAROS series Outdoor APs

Overview

PHAROS is TP-Link's next generation product series dedicated to high performance solutions for outdoor wireless networking applications. It includes a variety of CPE and Basestation devices, carrier class antennas, and a centralized management application, which are flexible and ideal for point-to-point, point-to-multipoint and outdoor Wi-Fi coverage applications. Professional performance, coupled with user-friendly design, makes TP-Link's Pharos series an ideal choice for both businesses and home users.

5/2.4GHz 300Mbps 13/9dBi Outdoor CPE
CPE510/CPE210
- Selectable bandwidth of 5/10/20/40MHz
- Adjustable transmission power from 0 to23dBm/200mW, 27dBm/500mW
- Built-in 13/9dBi 2x2 dual-polarized directional MIMO antenna
- 1 10/100Mbps Ethernet Port for passive PoE input

5/2.4GHz 300Mbps 16/12dBi Outdoor CPE
CPE520/CPE220
- Selectable bandwidth of 5/10/20/40MHz
- Adjustable transmission power from 0 to 27dBm/500mW, 30dBm/1000mW
- Built-in 16/12dBi 2x2 dual-polarized directional MIMO antenna
- 1 10/100Mbps Ethernet Port for passive PoE input and 1 10/100Mbps Ethernet Port for extended application

5/2.4GHz 300Mbps Outdoor BaseStation
WBS510/ WBS210
- Selectable bandwidth of 5/10/20/40MHz
- Adjustable transmission power from 0 to 27dBm/500mW
- 2 RP-SMA connectors for external MIMO antenna
- 1 10/100Mbps Ethernet Port for passive PoE input and 1 10/100Mbps Ethernet Port for extended application

Features

Pharos MAXtream — TP-Link's TDMA Technology
- Eliminates hidden node collisions & improves channel efficiency
- Lower latency, higher throughput, larger network capacity & more stability

PharOS — Web-based management platform
- Optimized for outdoor applications with high performance
- User-friendly interface
- Versatile configurations for professionals
- Powerful system tools integrated

Pharos Control — Centralized Network Management Application
- Device discovery & monitoring & configuration
- Firmware upgrade & management
- Scheduled tasks for operations & maintenance
- Event notification via E-mail

Switches
Power over Ethernet
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Auranet Business Wi-Fi Solution
Pharos Wireless Broadband Solution
Outdoor AP
Antennas and Accessories
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Solutions for Business

Outdoor AP

Outdoor AP

Overview

TP-Link's Outdoor Access Points are dedicated to WISP CPE solution and long distance wireless network solutions. They integrate the functions of a wireless access point, WISP Client, high gain antenna and weatherproof enclosure. They feature high gain antenna, high output power and high RX sensitivity that can significantly extend the transmission range to deliver a more stable wireless connection.

2.4GHz 150Mbps Outdoor Wireless Access Point

TL-WA7210N

- Wireless speed up to 150Mbps
- 12dBi dual-polarized high gain antenna
- Up to 500mw power for longer distance transmission
- Provides an external RP-SMA connector for higher gain antenna upgrade
- Supports Passive Power over Ethernet capability for flexible performance

Model	TL-WA7210N
Description	2.4GHz 150Mbps Outdoor Wireless Access Point
Processor Specs	Atheros MIPS 24Kc, 400 MHz
Memory Information	32MB DDR1, 4MB Flash
Compatibility	802.11b/g/n
Antenna	12dBi
Antenna Beamwidth	Horizontal: 60° Vertical: 30°
Transmission Power	27dBm
Ethernet Ports	1 10/100Mbps Ethernet Port
External Antenna Interface	1 RP-SMA Connector
Grounding Protection Terminal	●
Passive Supply Method	12V Power Adapter + Passive PoE Injector
Weather Proof Enclosure	●
ESD Protection	15KV
Lightning Protection	4KV
Operation Modes	AP / Client / Bridge / Repeater/ AP Router / AP Client Router Mode (WISP Client)
Utilities	Antenna Adjustment; Distance Adjustment Ping Watch Dog; Throughput Monitor Wireless Speed Monitor
Security	WEP, WPA/WPA2, WPA-PSK/WPA2-PSK(AES/TKIP)
Certifications	CE, FCC, RoHS
Dimensions (W × D × H)	10.4 x 4.7 x 3.2 in. (265 x 120 x 83 mm)
Environment	Operating Temperature: -30°C~70°C (-22°F~158°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing
Package Contents	Outdoor Access Point 12V/1A DC Power Adapter Passive PoE Injector Pole Mounting Kit CD, Qiuck Installation Guide, Ethernet Cable

Features

- Dedicated Power Amplifier
- Low Noise Amplifier
- Weatherproof Enclosure
- 4KV Lightning Protection
- 15KV ESD protection
- Antenna Alignment
- Distance Setting
- Ping Watch Dog
- Wireless × Speed Test

Antennas and Accessories

Antennas

Product Picture				
Model	TL-ANT2409A	TL-ANT2414A	TL-ANT2412D /TL-ANT2415D	TL-ANT2424B
Frequency	2.4GHz	2.4GHz	2.4GHz	2.4GHz
Gain	9dBi	14dBi	12dBi/15dBi	24dBi
Type	Directional	Directional	Omni	Directional
VSWR (MAX.)	1.92:1	1.92:1	1.92:1	1.5:1
HPBW/H (°)	60	30	360	14
HPBW/V (°)	76	30	12/9	10
Polarization	Linear;Vertical	Linear;Vertical	Linear;Vertical	Linear;Vertical
Connector Type	RP-SMA Connector (Female)	RP-SMA Connector (Female)	N Female (Jack)	N Female (Jack)
Cable Material	CFD-200	CFD-200	N/A	N/A
Cabe Length	100cm	100cm	N/A	30cm
Mounting	Pole Mount Wall Mount	Pole Mount Wall Mount	Pole Mount Wall Mount	Pole Mount
Application	Outdoor	Outdoor	Outdoor	Outdoor
Optional Accessory	TL-ANT24EC3S TL-ANT24EC5S TL-ANT200PT	TL-ANT24EC3S TL-ANT24EC5S TL-ANT200PT	TL-ANT24PT3	TL-ANT24PT3

Antenna Accessories

Product Picture				
Model	TL-ANT24EC3S	TL-ANT24EC5S	TL-ANT24PT3	TL-ANT200PT
Product Description	Extension Cable	Extension Cable	Pigtail Cable	Pigtail Cable
Frequency	2.4GHz	2.4GHz	2.4GHz	2.4GHz & 5GHz
Connector Type	RP-SMA Male to Female	RP-SMA Male to Female	RP-SMA Female to N Male	RP-SMA Male to N Male
Cable Material	CFD-200	CFD-200	CFD-200	LMR-200
Cable Length	3m	5m	3m	0.5m

MIMO Antennas

Product Picture				
Model	TL-ANT2424MD	TL-ANT5830MD	TL-ANT2415MS	TL-ANT5819MS	TL-ANT2410MO
Description	2.4GHz 24dBi 2 x 2 MIMO Dish Antenna	5GHz 30dBi 2 × 2 MIMO Dish Antenna	2.4GHz 15dBi 2 × 2 MIMO Sector Antenna	5GHz 19dBi 2 × 2 MIMO Sector Antenna	2.4GHz 10dBi 2x2 MIMO Omni Antenna
Frequency	2.3~2.7GHz	5.0~6.0GHz	2.3~2.7GHz	5.0~6.0GHz	2.3~2.7GHz
Gain	24dBi	30dBi	15dBi	19dBi	10dBi
VSWR	≤1.8	≤1.8	≤1.8	≤1.8	≤1.8
Polarization	Vertical & Horizontal				
HPOL Beamwidth (3dB)	6°	6°	120°(6dB) & 90°	120°(6dB) & 90°	360°
VPOL Beamwidth (3dB)	6°	6°	120°(6dB) & 90°	120°(6dB) & 90°	360°
Elevation Beamwidth (3dB)	6°	6°	8°	4°	12°
Antenna Interfaces	2 RP-SMA connectors				
Dimensions	600 mm diameter		700 × 150 × 100 mm		800 × 72 × 72 mm
Installation	Pole Mounting Kits				

Switches

Power over Ethernet

Accessories

Auranet Business Wi-Fi Solution

Pharos Wireless Broadband Solution

Outdoor AP

Antennas and Accessories

Routers

Solutions for Business

VPN Routers

SafeStream Gigabit VPN Routers

Overview

Keeping a network safe from attacks and unauthorized access is key to the success of any business, now more than ever before. TP-Link's SafeStream Series VPN Routers provide an ideal VPN solution to protect your network against attacks and unauthorized access. Among them, TL-ER6120 and TL-ER6020 are the ideal choices for small and medium-sized businesses, hotels and other communities with a high volume of users demanding an efficient and highly secure VPN network. TL-ER604W provides exceptional wireless performance with wireless speeds of up to 300Mbps, making it an ideal choice for remote offices or small businesses with a medium volume of users demanding a flexible and highly secure VPN network.

SafeStream Gigabit Dual-WAN VPN Router

TL-ER6120

- 2 Gigabit WAN ports, 2 Gigabit LAN ports, 1 Gigabit LAN/DMZ port, 1 console port
- Supports up to 100 IPsec, 32 PPTP and 32 L2TP VPN Tunnels
- Supports IM/P2P Blocking for various applications
- Professional 4KV lightning protection keeps your investments as safe as possible

SafeStream Gigabit Dual-WAN VPN Router

TL-ER6020

- 2 Gigabit WAN ports, 2 Gigabit LAN ports, 1 Gigabit LAN/DMZ port, 1 console port
- Supports up to 50 IPsec, 16 PPTP and 16 L2TP VPN Tunnels
- Supports IM/P2P Blocking for various applications
- Professional 4KV lightning protection keeps your investments as safe as possible

SafeStream Wireless N Gigabit Broadband VPN Router

TL-ER604W

- 1 Gigabit WAN port, 3 Gigabit LAN ports, 1 Gigabit WAN/LAN port
- IEEE 802.11b/g/n, 2 detachable 5 dBi antenna, 300Mbps wireless speed
- Supports up to 30 IPsec, 16 PPTP and 16 L2TP VPN Tunnels
- Supports IM/P2P Blocking for various applications
- Professional 4KV lightning protection keeps your investments as safe as possible

Features

VPN Features
- VPN Protocol: IPsec, PPTP, L2TP, L2TP over IPSec
- DES, 3DES, AES128, AES192, AES256 Encryption
- MD5, SHA1 Authentication

Security
- IM/P2P Application Blocking
- URL/Keywords Filtering
- Web Content Filtering (Java, ActiveX, Cookies)
- IP-MAC Binding DoS/DDoS Defense

Networking
- Static Routing
- RIP V1/V2
- Intelligent Load Balance
- PPPoE Server, E-Bulletin
- Port VLAN, Port Mirroring SNMP V1/V2

Bandwidth Management
- IP-based Bandwidth Control
- Guarantee/Limited Bandwidth Management
- Port-based Rate Limit
- IP-based Session Limit

Wireless Features*
- IEEE 802.11 b/g/n
- 2 Detachable 5dBi antennas
- WEP, WPA/WPA2, WPA-PSK/ WPA2-PSK Encryption
- WDS, Multi-SSID, Guest Network

* Only for TL-ER604W.

		TL-ER6120	TL-ER6020	TL-ER604W
	Product Picture			
	Model	TL-ER6120	TL-ER6020	TL-ER604W
	Product Description	Gigabit Dual-WAN VPN Router	Gigabit Dual-WAN VPN Router	Wireless N Gigabit Broadband VPN Router
Hardware	Antenna	-	-	2 Detachable 5dBi Antennas
	Interface	2 Gigabit WAN Ports, 2 Gigabit LAN Ports 1 Gigabit LAN/DMZ Port, 1 Console Port	2 Gigabit LAN Ports, 2 Gigabit LAN Ports 1 Gigabit LAN/DMZ Port, 1 Console Port	1 Gigabit WAN port, 3 Gigabit LAN ports, 1 Gigabit WAN/LAN port
	Power Supply	100-240VAC, 50/60Hz		
	Certifications	CE, FCC		
	Dimensions (W x D x H)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)	11.6 × 7.1 × 1.7 in. (294 x 180 x 44 mm)	8.2 × 4.9 × 1.0 in. (209 x 126 x 26 mm)
	Environment	Operating Temperature: 0℃~40℃ (32°F~104°F); Storage Temperature: -40℃~70℃ (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing		
Performance	Concurrent Sessions	60,000	30,000	10,000
	NAT Throughput	350Mbps	180Mbps	160Mbps
	IPsec VPN Throughput	130Mbps	80Mbps	38Mbps
	WAN Connection Type	Dynamic/Static IP, PPPoE, PPTP, L2TP, Dual Access, BigPond		Dynamic/Static IP, PPPoE, PPTP, L2TP, Dual Access, BigPond
	Rate Limit	●		
	Port Mirror	●		
	Port Forwarding	Virtual Server, Port Triggering, DMZ		
	UPnP	●		
	Port VLAN	●		
	SNMP	V1/V2c		
Wireless	Standard	-	-	IEEE 802.11 b/g/n
	Encryption	-	-	WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
	Multi-SSID	-	-	●
	Guest Network	-	-	●
	WDS	-	-	●
IPsec VPN	IPsec VPN Tunnel	100	50	30
	Authentication	MD5/SHA1		
	Encryption	DES, 3DES, AES128, AES192, AES256		
	IPsec NAT Traversal (NAT-T)	●		
	Dead Peer Detection (DPD)	●		
	Perfect Forward Secrecy (PFS)	DH1/DH2/DH5		
PPTP VPN	PPTP VPN Tunnels	32	16	16
	PPTP VPN Server	●		
	PPTP VPN Client	●		
	PPTP With MPPE Encryption	●		
L2TP VPN	L2TP VPN Tunnels	32	16	16
	L2TP VPN Server	●		
	L2TP VPN Client	●		
	L2TP Over IPsec	●		
Security	Access Control List	●		
	URL/Keyword Filter	●		
	Domain Filter	●		
	DoS Defense	●		
	ARP Inspection	●		
	MAC Filter	●		
Load Balance	Line Backup	●		
	Online Detection	●		
	Smart Load Balance	●		
	Policy Routing	●		
	Protocol Binding	●		
NAT	One-to-One NAT	●		
	Multiple-nets NAT	●		
Routing	Static Routing	●		
	Dynamic Routing	RIP V1/V2		
QoS	Guarantee Max & Min Bandwidth	●		
	Bandwidth Control By IP/Port	●		
	Session Limit By IP	●		
IM/P2P Blocking	IM/P2P Blocking	●		
	Proxy/Protocol Blocking	●		
Applications	PPPoE Server	●		
	E-Bulletin	●		

VPN Routers

SafeStream Gigabit VPN Routers

Overview

Keeping a network safe from attacks and unauthorized access is the key to success of any business, now more than ever before. TP-Link's SafeStream Series VPN Routers provide an ideal secure VPN solution to protect your network against attacks and unauthorized access. Among them, TL-R600VPN is the ideal choice for chain stores/remote offices with small volumes of users demanding an efficient and highly secure VPN network.

SafeStream Gigabit Broadband VPN Router

TL-R600VPN

- 1 Gigabit WAN port, 4 Gigabit LAN ports
- Supports up to 20 IPsec and 16 PPTP VPN Tunnels
- Professional 4KV lightning protection keeps your investments as safe as possible

Features

- VPN Protocol: IPsec, PPTP
- VPN Pass-through
- DHCP Client/Server
- Static Routing
- IP-based Bandwidth Control
- IP/MAC/Domain name filtering
- Attack Prevention
- SNMP V1/V2c

Product Picture		
Model		TL-R600VPN
Product Description		Gigabit Broadband VPN Router
Hardware	Interface	1 Gigabit WAN Port 4 Gigabit LAN Ports
	VPN Encryption Accelerator	●
	Power Supply	100-240VAC, 50/60Hz
	Certifications	CE, FCC
	Dimensions (W × D × H)	8.2 × 4.9 × 1.0 in. (209 × 126 × 26 mm)
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing
Performance	Concurrent Sessions	10,000
	NAT Throughput	120Mbps
	IPsec VPN Throughput	20Mbps
Network	VPN Routers	Dynamic/Static IP, PPPoE, PPTP, L2TP, Dual Access, BigPond
	Port Forwarding	Virtual Server, Port Triggering, DMZ
	UPnP	●
	SNMP	V1/V2c
IPsec VPN	IPsec VPN Tunnel	20
	Authentication	MD5/SHA1
	Encryption	DES, 3DES, AES128, AES192, AES256
	IPsec NAT Traversal (NAT-T)	●
	Dead Peer Detection (DPD)	●
	Perfect Forward Secrecy (PFS)	DH1/DH2/DH5
PPTP VPN	PPTP VPN Tunnels	16
	PPTP VPN Server	●
	PPTP VPN Client	-
	PPTP With MPPE Encryption	●
Security	Access Control List	●
	Domain Filter	●
	DoS Defense	●
	ARP Inspection	●
	MAC Filter	●
	SPI Firewall	●
Routing	Static Routing	●
QoS	Guarantee Max & Min Bandwidth	●
	Bandwidth Control By IP/Port	●

Load Balance Broadband Routers

Gigabit Load Balance Broadband Router

Overview

A gigabit load balance broadband router from TP-Link, TL-ER5120 possesses excellent data processing capabilities and multiple powerful functions including Load Balance, Access Control, IM/P2P Blocking, DoS Defense, Bandwidth Control, Session Limit and PPPoE Server, which meet the needs of small and medium enterprises, hotels and communities with large volumes of users.

Gigabit Load Balance Broadband Router

TL-ER5120

- 1 fixed Gigabit WAN port, 1 10/100/1000Mbps LAN/DMZ port and 3 freely interchangeable Gigabit WAN/LAN ports
- Load Balancing, automatically selects the best route according to the load
- Integrated PPPoE Server to provide ISP Services
- Professional 4KV lightning protection keeps your investments as safe as possible

Features

Networking
- Static Routing
- RIP V1/V2
- Intelligent Load Balance
- PPPoE Server, E-Bulletin
- Port VLAN, Port Mirror
- SNMP V1/V2c

Security
- IM/P2P Application Blocking
- URL/Keywords Filtering
- Web Content Filtering (Java, ActiveX, Cookies)
- IP-MAC Binding
- DoS/DDoS Defense

Bandwidth Management
- IP-based Bandwidth Control
- Guarantee/Limited Bandwidth Management
- Port-based Rate Limit
- IP-based Session Limit

Product Picture		
Model		TL-ER5120
Product Description		Gigabit Load Balance Broadband Router
Hardware	Interface	1 Gigabit WAN Port, 3 Gigabit WAN/LAN Ports, 1 Gigabit LAN/DMZ Port, 1 Console Port
	Power Supply	100-240VAC, 50/60Hz
	Certifications	CE, FCC
	Dimensions (W × D × H)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing
Performance	Concurrent Sessions	120,000
	NAT Throughput	350Mbps
Network	WAN Connection Type	Dynamic/Static IP, PPPoE, PPTP, L2TP, Dual Access, BigPond
	Rate Limit	●
	Port Mirroring	●
	Port Forwarding	Virtual Server, DMZ, Port Triggering
	UPnP	●
	Port VLAN	●
	SNMP	V1/V2c
Security	Access Control	●
	URL/Keyword Filter	●
	Domain Filter	●
	DoS Defense	●
	ARP Inspection	●
	MAC Filter	●
Load Balance	Line Backup	●
	Online Detection	●
	Smart Load Balance	●
	Policy Routing	●
	Protocol Binding	●
NAT	One-to-One NAT	●
	Multiple-nets NAT	●
Routing	Static Routing	●
	Dynamic Routing	RIP V1/V2
QoS	Guarantee Max & Min Bandwidth	●
	Bandwidth Control By IP/Port	●
	Session Limit By IP	●
IM/P2P Blocking	IM Blocking	●
	P2P Blocking	●
	Proxy Blocking	●
	Protocol Blocking	●
Applications	PPPoE Server	●
	E-Bulletin	●

Load Balance Broadband Routers

Fast Ethernet Load Balance Broadband Routers

Overview

TP-Link's load balance broadband routers have been designed with small offices and Internet cafes in mind. With built-in firewall features and powerful security policies, these routers offer extensive protection against malicious attacks. On top of that, 4KV lightning protection is included as standard to keep your devices safe from the worst Mother Nature can throw at them.

Load Balance Broadband Router
TL-R480T+

• 1 fixed 10/100Mbps WAN port, 1 fixed 10/100Mbps LAN port and 3 freely interchangeable 10/100Mbps WAN/LAN ports
• Load Balancing, automatically selects the best route according to the load
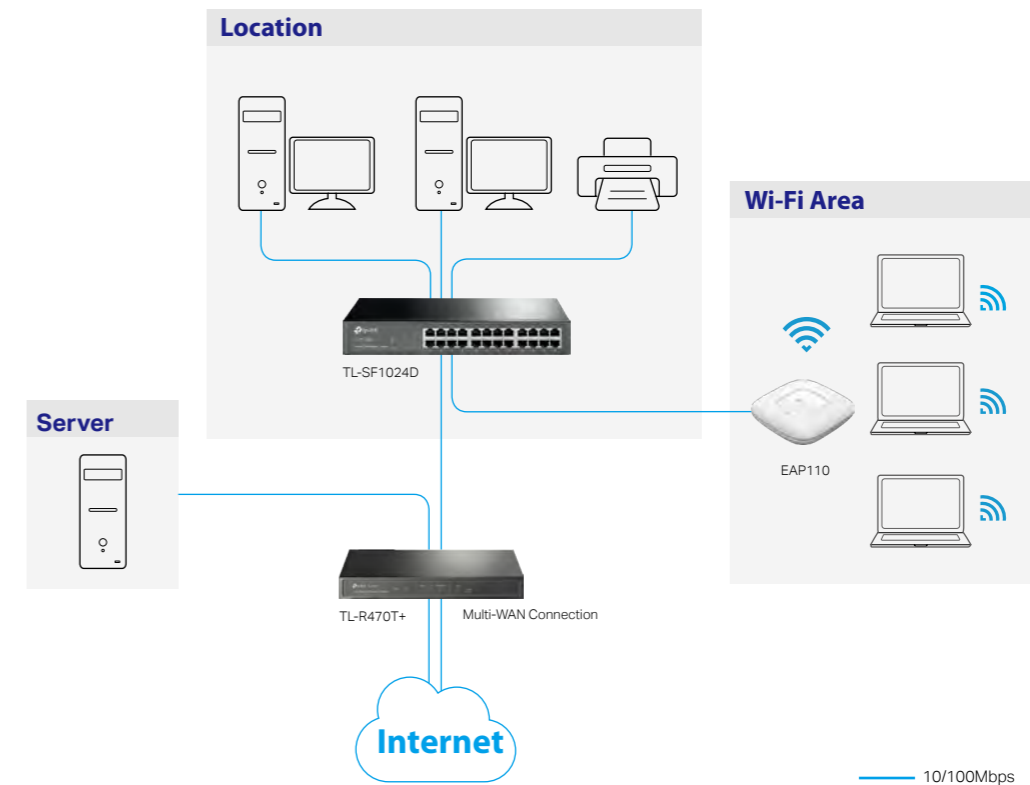• Professional 4KV lightning protection keeps your investments as safe as possible

Load Balance Broadband Router
TL-R470T+

• 1 fixed 10/100Mbps WAN port, 1 fixed 10/100Mbps LAN port and 3 freely interchangeable 10/100Mbps WAN/LAN ports
• Load Balancing, automatically selects the best route according to the load
• Professional 4KV lightning protection keeps your investments as safe as possible

Features

• Smart Load Balancing Policies
• IP-based Bandwidth Control
• IP-based Session Limit
• Port-based Rate Limit
• IP/MAC Binding
• Domain Name Filtering
• IP/MAC Filtering
• Virtual Server, Port Triggering, and DMZ Host
• DDNS, UPnP, Static Routing
• Web Management
• SNMP V1/V2C

		TL-R470T+	TL-R480T+
Product Picture			
Model		TL-R470T+	TL-R480T+
Product Description		Load Balance Broadband Router	Load Balance Broadband Router
Hardware	Interface	1 10/100Mbps WAN Port, 3 10/100Mbps WAN/LAN Ports, 1 10/100Mbps LAN Port	
	Console Port	-	●
	Auto Negotiation / Auto MDI/MDIX		
	Power Supply	100-240VAC, 50/60Hz	
	Certifications	CE, FCC	
	Dimensions (W x D x H)	8.2 × 4.9 × 1.0 in. (209 × 126 × 26 mm)	11.6 × 7.1 × 1.7 in. (294 ×180 × 44 mm)
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing	
Performance	Cocurrent Sessions	10,000	30,000
	NAT Throughput	100Mbps	
Network	WAN Connection Type	PPPoE, Dynamic, Static IP, PPTP, L2TP, BigPond Cable	
	Port Forwarding	Virtual server, Port Triggering, DMZ host	
	UPnP	●	
	Rate Limit	●	
	Port VLAN	●	
	Port Mirroring	●	
	SNMP	V1/V2c	
Security	Access Control	●	
	URL/Keyword Filter	●	
	Domain Filter	●	
	DoS Defense	●	
	ARP Inspection	●	
	MAC Filter	●	
Load Balance	Line Backup	●	
	Online Detection	●	
	Smart Load Balance	●	
	Policy Routing	●	
	Protocol Binding	●	
NAT	One-to-One NAT	-	●
	Multiple-nets NAT	-	●
Routing	Static Routing	●	
	Dynamic Routing	-	
QoS	Guarantee Max & Min Bandwidth	●	
	Bandwidth Control By IP/Port	●	
	Session Limit By IP	●	
IM/P2P Blocking	IM Blocking	-	●
	P2P Blocking	-	●
	Proxy Blocking	-	●
	Protocol Blocking	-	●
Applications	PPPoE Server	●	
	E-Bulletin	●	

Overview

TP-Link offers a comprehensive suite of end-to-end products that fit the specific needs of small and home offices. From unmanaged switches and wireless access points to Load Balance Routers and Print Servers, TP-Link provides cost-effective solutions for an array of small and home office applications.
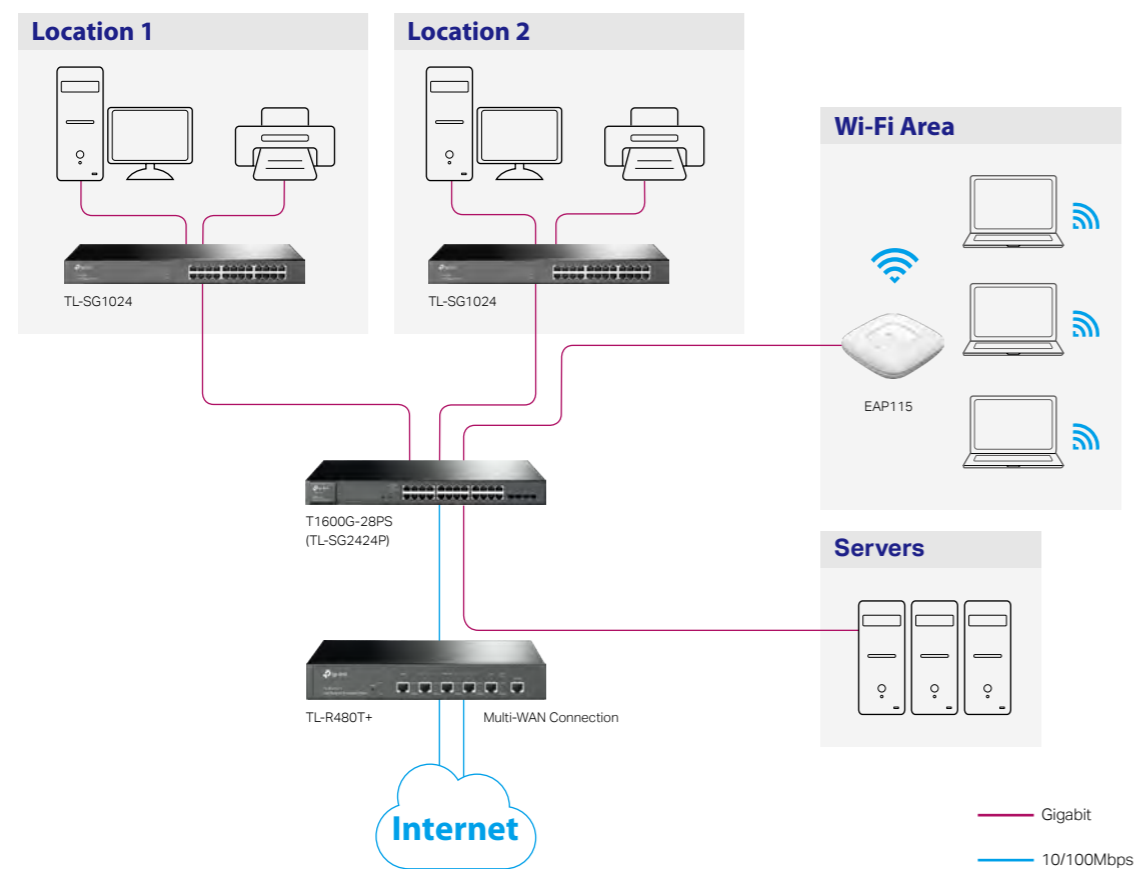
Location

Server

Wi-Fi Area

TL-SF1024D

EAP110

TL-R470T+   Multi-WAN Connection

Internet

— 10/100Mbps

Features and Benefits

• Equipped with three dynamic WAN/LAN interchangeable ports, TL-R470T+ provides network administrators with greater control over their bandwidth with smart load balancing.
• Complete with NAT firewall, TL-R470T+ can protect your network from various types of intrusions and attacks.
• TL-SF1024D provides powerful data transmission at a low cost.
• EAP110 provides a flexible, easy-to-deploy, manageable and secure wireless network solution.
• Green technology makes your network more energy-efficient and eco-friendly.
• Web GUI makes the network easy to configure and maintain.

Network Solution
for Small Business

Overview

In response to the networking needs of small business and in the interest of helping them increase business productivity and efficiency, TP-Link's Load Balance Broadband Router and Smart Switches make up a small business network solution that delivers complete and intelligent services, enhancing information system resiliency and reducing operation and maintenance costs.
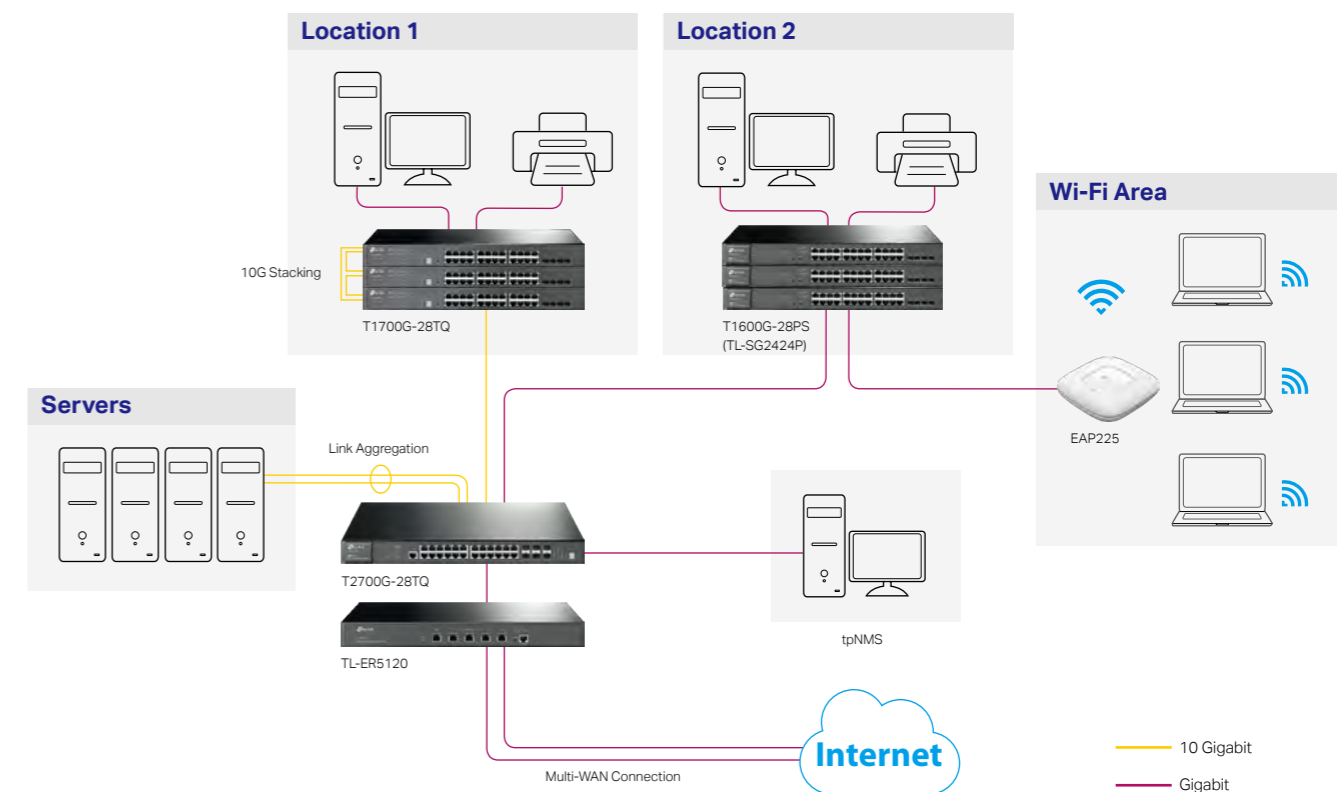
Location 1

TL-SG1024

Location 2

TL-SG1024

Wi-Fi Area

EAP115

T1600G-28PS
(TL-SG2424P)

TL-R480T+   Multi-WAN Connection

Servers

Internet

—— Gigabit
—— 10/100Mbps

Features and Benefits

• Equipped with three dynamic WAN/LAN interchangeable ports, TL-R480T+ provides network administrators with greater control over their bandwidth with smart load balancing.
• Complete with NAT firewall and professional lightening protection, TL-R480T+ keeps your network safe and stable.
• EAP115 provides a flexible, easy-to-deploy, manageable and secure wireless network solution for small businesses.
• TP-Link's Smart switches provide comprehensive security features which include ACL and Port security.
• All TP-Link products provide comprehensive intelligent management tools, allowing network administrators to choose from a variety of management interfaces such as Web GUI, which make the network easy to configure and maintain.

Network Solution
for Medium Business

Overview

For a network that scales with a growing medium business, TP-Link's medium business network solutions are perfect in terms of network design and management efficiency. Using an L2+ Managed switch with 10G uplink ports at the core and access layer of the business network, TP-Link products ensure end-to-end performance covering service prioritization for voice streaming and mission-critical applications, protected by network security from the edge to the core.
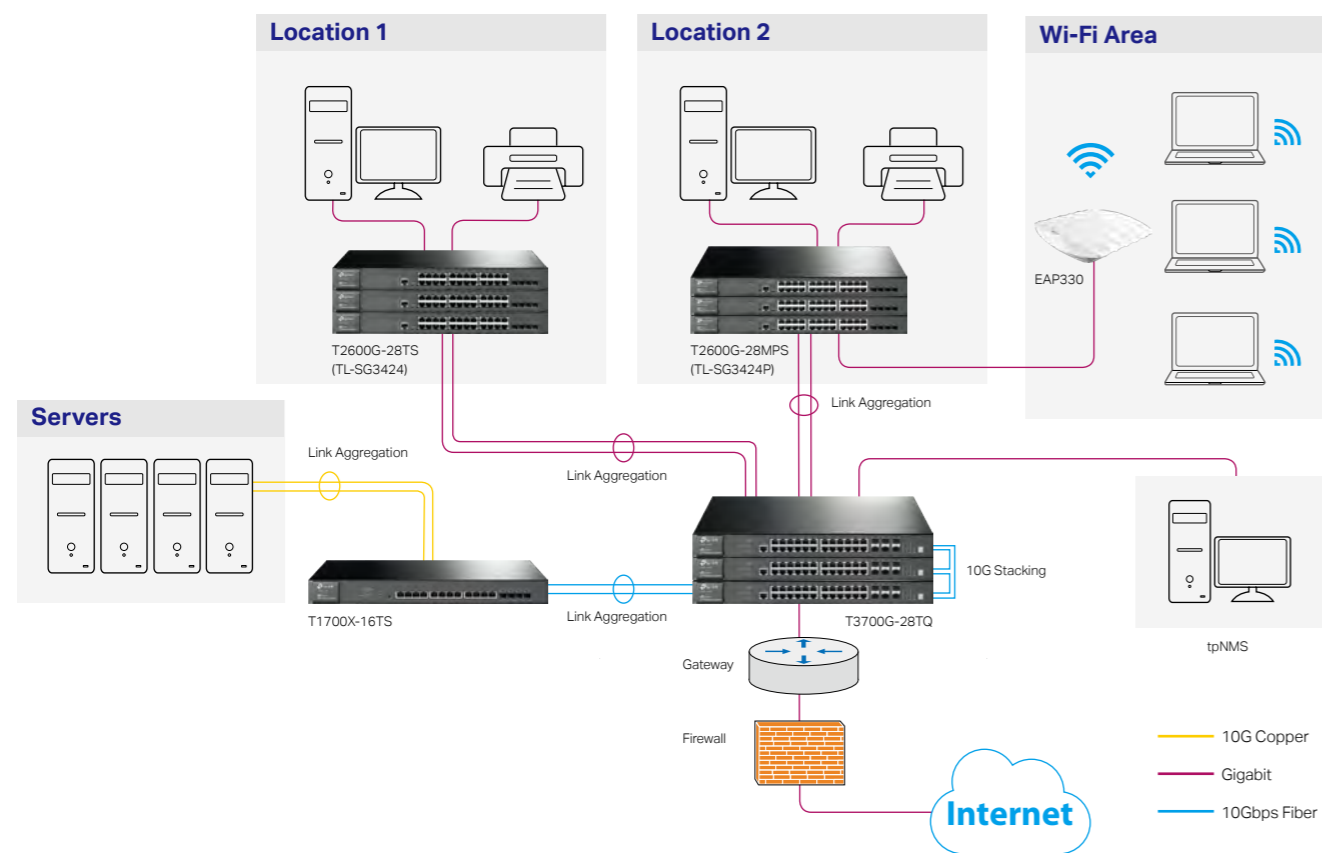
Location 1

10G Stacking

T1700G-28TQ

Location 2

T1600G-28PS
(TL-SG2424P)

Wi-Fi Area

EAP225

Servers

Link Aggregation

T2700G-28TQ

TL-ER5120

tpNMS

Multi-WAN Connection   **Internet**

—— 10 Gigabit
—— Gigabit

Features and Benefits

• Equipped with three dynamic WAN/LAN interchangeable ports, TL-ER5120 gives network administrators more control over bandwidth with smart load balancing
• Complete with abundant security features such as ARP inspection, DoS defense, URL/Keyword Domain Filter and Access Control, TL-ER5120 provides a safe environment for you network
• T2700G-28TQ supports up to 4 10G uplink ports which can be connected to 10G-capable servers and storage devices, delivering a 10X increase in network performance and business efficiency.
• T1700G-28TQ supports 4 dedicated 10G SFP+ slots for uplink and stacking, providing enhanced scalability, simple management and increased redundancy for high-density deployment.
• EAP225 provides a flexible, easy-to-deploy, manageable and secure wireless network solution for medium-sized businesses.
• All TP-Link products provide comprehensive intelligent management tools, allowing network administrators to choose from a variety of management interfaces such as Web GUI and CLI, which make the network easy to configure and maintain

Network Solution
for Enterprise

Overview

For an enterprise network with higher requirements for resilience and robustness, TP-Link's L3/L2 Managed Gigabit switch makes up a perfect solution that builds a highly accessible, scalable, and robust network. TP-Link's L3 Managed switch T3700G-28TQ supports abundant Layer 3 routing protocols such as RIP and OSPF, which are critical in the creation of fully resilient scalable networks. With physical stacking and an optional redundant external power unit, T3700G-28TQ provides a robust network with efficient redundancy.

Location 1
Location 2
Wi-Fi Area

T2600G-28TS
(TL-SG3424)

T2600G-28MPS
(TL-SG3424P)

EAP330

Servers

Link Aggregation

Link Aggregation

Link Aggregation

Link Aggregation

Link Aggregation

T1700X-16TS

T3700G-28TQ

10G Stacking

tpNMS

Gateway

Firewall

Internet

— 10G Copper
— Gigabit
— 10Gbps Fiber

Features and Benefits

- Equipped with abundant Layer 3 routing protocols including RIP/OSPF/ECMP/VRRP, T3700G-28TQ is well suited to the building of a scalable network
- Complete with True Physical Stacking technology, T3700G-28TQ supports up to 8 units and 320Gbps backplane bandwidth for high scalability and efficient redundancy
- T3700G-28TQ supports up to 4 10 Gigabit Ethernet uplink ports, providing high-bandwidth applications for congestion relief and smooth data delivery
- T3700G-28TQ supports removable power unit and redundant power supply functionality which minimizes downtime
- TP-Link's L2 managed switches provide comprehensive security features, which include IEEE802.1X, IP + MAC + Port + VLAN binding, Port security and IP Source Guard
- T1700X-16TS supports 12 10GBase-T RJ45 ports and 4 dedicated SFP+ fiber slots, which can relieve congestion associated with bandwidth-intensive applications, and guarantee smooth data transmission
- All TP-Link products provide comprehensive intelligent management tools, allowing network administrators to choose from a variety of management interfaces such as Web GUI and CLI, which make the network easy to configure and maintain

Network Solution
for VPN Business

Overview

TP-Link provides cost-effective VPN solutions, ideal for companies with multiple branch offices or a large number of remote users requiring access to network resources from headquarters. In addition to providing VPN routers and L2 managed Switches, TP-Link is able to tailor a secure and reliable VPN solution based on your own business needs.

Headquarters
Location 1
Location 2
Wi-Fi Area

T2600G-28TS
(TL-SG3424)

T2600G-28MPS
(TL-SG3424P)

EAP245

Servers

Link Aggregation

Location 3

T2700G-28TQ

TL-ER6120
Dual-WAN Connection

Wi-Fi Area

IPsec VPN

TL-SG1024

PPTP/L2TP VPN

Internet

TL-ER604W

Remote Users

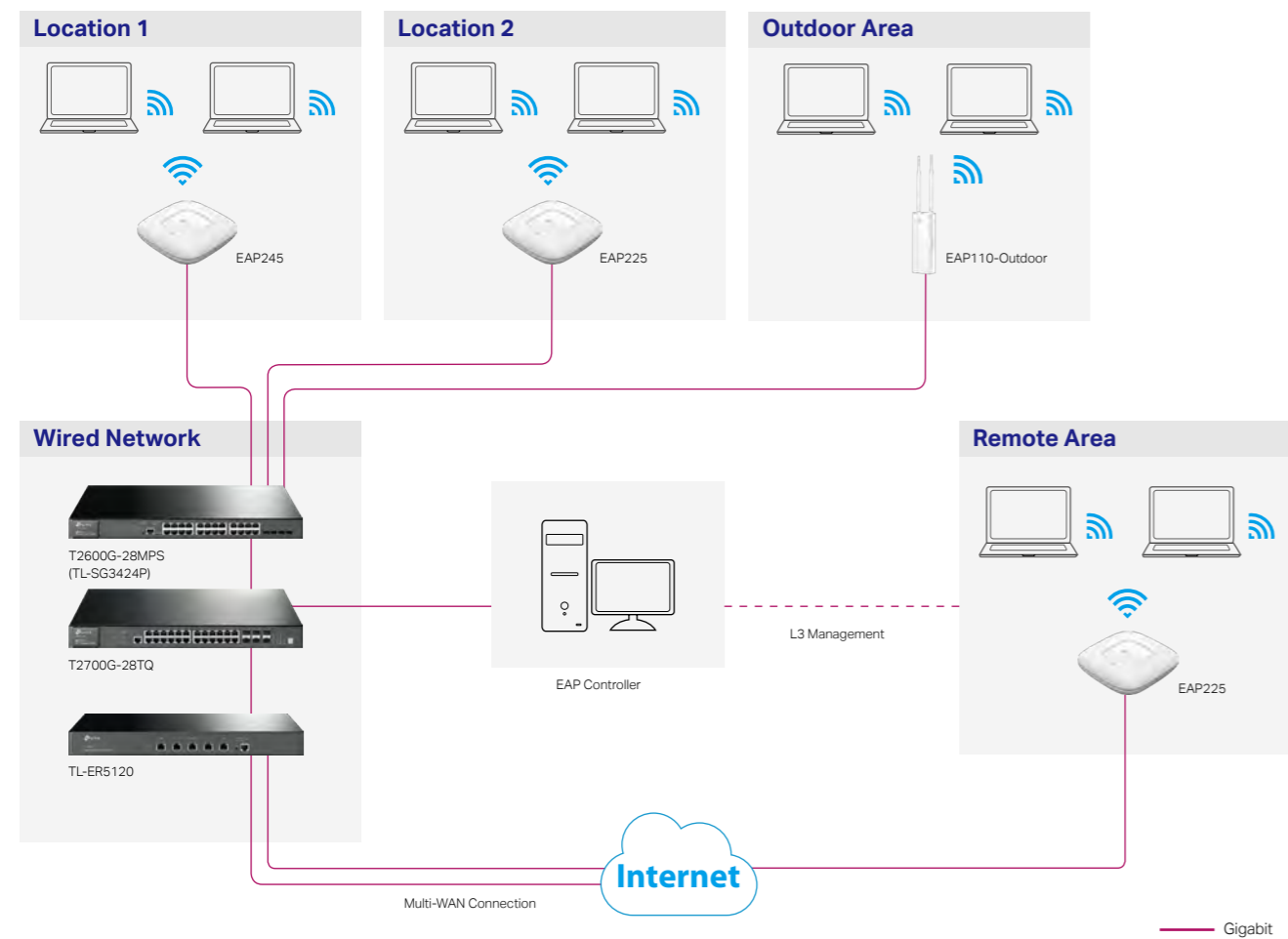**Remote Offices**

— 10 Gigabit
— Gigabit

Features and Benefits

- TL-ER6120 supports multiple VPN protocols including IPsec/PPTP/L2TP, giving users more flexibility when establishing their VPN
- TL-ER6120 supports up to 100 IPsec VPN tunnels, and offers 130Mbps VPN throughput with a hardware-based VPN engine
- EAP245 provides a flexible, easy-to-deploy, manageable and secure wireless network solution for medium-sized businesses.
- Complete with abundant security features such as IP + MAC + Port + VID binding, IP Source Guard, URL/Keyword Domain Filter and Access Control, TP-Link routers and switches guarantee a safe networking ecosystem
- All TP-Link products provide comprehensive intelligent management tools, allowing network administrators to choose from a variety of management interfaces such as Web GUI and CLI, which make the network easy to configure and maintain

Switches
Power over Ethernet
Accessories
Auranet Business Wi-Fi Solution
Pharos Wireless Broadband Solution
Outdoor AP
Antennas and Accessories
Routers
Solutions for Business

Auranet Business Wi-Fi Solution
EAP Series

Overview

The TP-Link Auranet Business Wi-Fi Solution - EAP Series provides a flexible, easy-to-deploy, user-friendly and managed business-class wireless network solution. Centralized WLAN management is made simple with our free centralized management software – Auranet Controller. Auranet EAP solution features captive portal and advanced RF management, making them ideal for the demanding multi-user business environments of campuses, hotels, malls and offices.

Location 1

EAP245

Location 2

EAP225

Outdoor Area

EAP110-Outdoor

Wired Network

T2600G-28MPS
(TL-SG3424P)

T2700G-28TQ

TL-ER5120

EAP Controller

L3 Management

Remote Area

EAP225

Internet

Multi-WAN Connection

Gigabit

Features and Benefits

- Equipped with three dynamic WAN/LAN interchangeable ports, TL-ER5120 gives network administrators more control over bandwidth with smart load balancing
- T2700G-28TQ supports up to 4 10G uplink ports which can be connected to 10G-capable servers and storage devices, delivering a 10X increase in network performance and business efficiency.
- EAP225, EAP245 and EAP110-Outdoor provide a flexible, easy-to-deploy, manageable and secure wireless network solution for small and medium-sized businesses.
- Auranet Controller features Multi-Site Management and Layer 3 Management, allowing network administrators to configure and monitor networks in remote locations.
- All TP-LINK products provide comprehensive intelligent management tools, allowing network administrators to choose from a variety of management interfaces such as Web GUI and CLI, which make the network easy to configure and maintain

Auranet Business Wi-Fi Solution
CAP Series

Overview

TP-Link's Auranet Business Wi-Fi Solution - CAP Series provides a scalable, manageable and secure business-class wireless network solution for devices including wireless controllers and access points. With captive portal and advanced RF management functions integrated in the Auranet Wireless Controller, Auranet CAP solution is ideal for small and medium-sized businesses that demand secure and reliable networks.

Location 1

CAP2200

Location 2

CAP1750

Outdoor Area

CAP300-Outdoor

Wired Network

T2600G-28MPS
(TL-SG3424P)

T2700G-28TQ

AC 500

Gateway
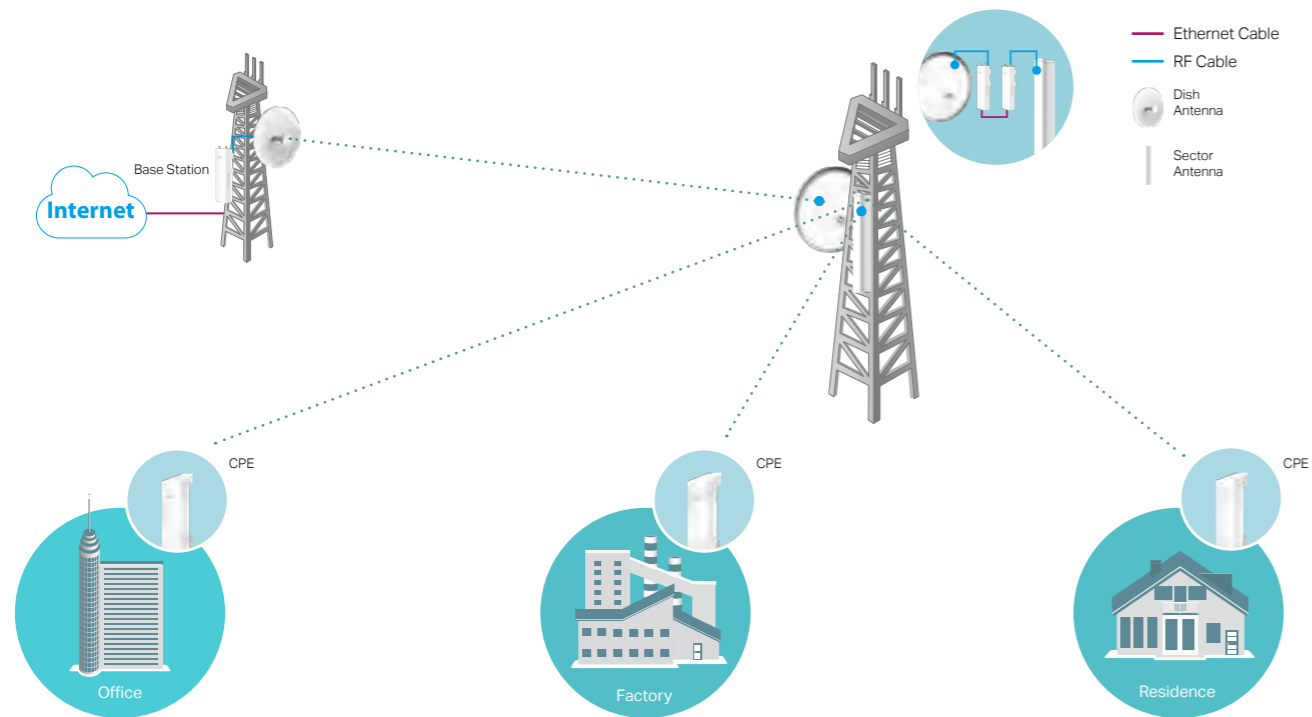
Firewall

Internet

Gigabit

Features and Benefits

- T2700G-28TQ supports up to 4 10G uplink ports which can be connected to 10G-capable servers and storage devices, delivering a 10X increase in network performance and business efficiency.
- TP-Link's Smart switches provide comprehensive security features, which include IEEE802.1X, IP + MAC + Port + VLAN binding, Port security and IP Source Guard.
- CAP2200, CAP1750 and CAP300-Outdoor provide a flexible, easy-to-deploy, manageable and secure wireless network solution for small and medium-sized businesses.
- Auranet Wireless Controller AC500 supports a range of monitoring and management features, providing scalable and secure centralized management platform for small and medium-sized businesses..
- All TP-Link products provide comprehensive intelligent management tools, allowing network administrators to choose from a variety of management interfaces such as Web GUI and CLI, which make the network easy to configure and maintain.

Switches

Power over Ethernet

Accessories

Auranet Business Wi-Fi Solution

Pharos Wireless Broadband Solution

Outdoor AP

Antennas and Accessories

Routers

Solutions for Business

Pharos Wireless Broadband Solution

Overview

TP-Link's Pharos series are ideal for point-to-point and point-to-multipoint applications. Exceptional performance, coupled with user-friendly design, makes it an ideal choice for both businesses and home users.

Legend:
— Ethernet Cable
— RF Cable
Dish Antenna
Sector Antenna

Pharos Series

Product Picture	Base Stations		CPEs				MIMO Antennas				
Model	WBS510	WBS210	CPE510	CPE520	CPE210	CPE220	TL-ANT2424MD	TL-ANT5830MD	TL-ANT2415MS	TL-ANT5819MS	TL-ANT2410MO
Frequency (GHz)	5.15~5.85	2.4~2.483	5.15~5.85		2.4~2.483		2.3~2.7	5.0~6.0	2.3~2.7	5.0~6.0	2.3~2.7

Features and Benefits

• Point-to-point long-distance wireless data transmission of up to 50+ km
• Enterprise hardware design for stable and maximized performance
• PharOS – Web-based management system provides advanced configuration options
• MAXtream TDMA technology for guaranteed throughput as your network grows.
• Pharos Control – Centralized Management System for large-scale network management
• Supports AP Router, AP Client Router, AP, AP Client, Multi-Bridge and Repeater Operation modes

tp-link

Unmanaged Switches

Product Picture			
Model	TL-SF1048	TL-SF1024	TL-SF1024D
Product Description	48-Port 10/100Mbps Rackmount Switch	24-Port 10/100Mbps Rackmount Switch	24-Port 10/100Mbps Desktop/Rackmount Switch
10/100Mbps RJ45 Ports	48	24	24
MAC Address Table	8K		
Switching Capacity	9.6Gbps	4.8Gbps	
Forwarding Rate	7.14Mpps	3.57Mpps	
Fanless	●		
Green Technology	●		
Auto Negotiation / Auto MDI/MDIX	●		
Flow Control & Back Pressure	●		
Transfer Method	Store and Forward		
Power Supply	100-240VAC, 50/60Hz		
Certifications	CE, FCC		
Dimensions (W × D × H)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)	11.6 × 7.1 × 1.7 in. (194 × 180 × 44 mm)
Environment	Operating Temperature: 0°C ~40°C (32°F~104°F); Storage Temperature: -40°C ~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing		

Fast Ethernet Unmanaged Rackmount Switches

Overview

TP-Link's Fast Ethernet Switches are simple plug and play products, with no software configuration required. They are designed to meet the needs of even the most demanding network connections, making work that bit more efficient. At the same time, the updated products in this series feature green technology that can significantly reduce power consumption, effectively reducing network maintenance costs while protecting the environment.

Product Picture		
Model	TL-SF1016	TL-SF1016DS
Product Description	16-Port 10/100Mbps Rackmount Switch	16-Port 10/100Mbps Desktop/Rackmount Switch
10/100Mbps RJ45 Ports	16	
MAC Address Table	8K	
Switching Capacity	3.2Gbps	
Forwarding Rate	2.38Mpps	
Fanless	●	
Green Technology	●	
Auto Negotiation / Auto MDI/MDIX	●	
Flow Control & Back Pressure	●	
Transfer Method	Store and Forward	
Power Supply	100-240VAC, 50/60Hz	
Certifications	CE, FCC	
Dimensions (W × D × H)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)	11.6 × 7.1 × 1.7 in. (294 × 180 × 44 mm)
Environment	Operating Temperature: 0°C ~40°C (32°F~104°F); Storage Temperature: -40°C ~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing	

48-Port 10/100Mbps Rackmount Switch
TL-SF1048

- 48 10/100Mbps RJ45 ports
- Switching capacity: 9.6Gbps, Forwarding rate: 7.1Mpps
- 8K MAC address table
- Green Ethernet technology
- Fanless design
- 19-inch rack-mountable steel case

24-Port 10/100Mbps Rackmount Switch
TL-SF1024

- 24 10/100Mbps RJ45 ports
- Switching capacity: 4.8Gbps, Forwarding rate: 3.6Mpps
- 8K MAC address table
- Green Ethernet technology
- Fanless design
- 19-inch rack-mountable steel case

16-Port 10/100Mbps Rackmount Switch
TL-SF1016

- 16 10/100Mbps RJ45 ports
- Switching capacity: 3.2Gbps, Forwarding rate: 2.4Mpps
- 8K MAC address table
- Green Ethernet technology
- Fanless design
- 19-inch rack-mountable steel case

16/24-Port 10/100Mbps Desktop/Rackmount Switch
TL-SF1016DS/TL-SF1024D

- 16/24 10/100Mbps RJ45 ports
- Switching capacity: 3.2Gbps, 4.8Gbps Forwarding rate: 2.4Mpps, 3.6Mpps
- 8K MAC address table
- Green Ethernet technology
- Fanless design
- 13-inch desktop/rack-mountable steel case

Unmanaged Switches

Unmanaged Desktop Switches

Overview

TP-Link's Unmanaged Desktop Switches are simple plug & play products, providing an easy way to expand your wired network. Gigabit ports effortlessly speed up your wired connections, while steel housing and a compact design ensure flexible placement. Moreover, with TP-Link green technology, Desktop Switches can effectively reduce power consumption, making them an eco-friendly solution for your home or office network.

5/8-Port Gigabit Desktop Switch

TL-SG105/SG1005D/TL-SG108/TL-SG1008D

- 5/5/8/8 Gigabit RJ45 ports
- Switching capacity: 10/16Gbps, Forwarding rate: 7.4/11.9Mpps
- 2K/2K/4K/4K MAC address table and 15KB Jumbo Frame
- Green Ethernet technology
- Support QoS (802.1p/DSCP) and IGMP Snooping*
- Steel/plastic housing, desktop and fanless design

5/8/16/24-Port 10/100Mbps Desktop Switch

TL-SF1005D/TL-SF1008D/TL-SF1016D/TL-SF1024M

- 5/8/16/24 10/100Mbps RJ45 ports
- Switching capacity: 1.0Gbps, 1.6Gbps, 3.2Gbps, 4.8Gbps
  Forwarding rate: 0.7Mpps, 1.2Mpps, 2.4Mpps, 3.57Mpps
- 1K/1K/2K/8K MAC address table and 1518B/2KB/2KB/2KB Jumbo Frame
- Green Ethernet technology
- Plastic housing, desktop and fanless design

Product Picture			
Model	TL-SG108/TL-SG1008D	TL-SG105/TL-SG1005D	TL-SF1005D/TL-SF1008D/TL-SF1016D/TL-SF1024M
Product Description	8-Port Gigabit Desktop Switch	5-Port Gigabit Desktop Switch	5/8/16/24-Port 10/100Mbps Desktop Switch
Gigabit RJ45 Ports	8	5	-
10/100Mbps RJ45 Ports	-	-	5/8/16/24
MAC Address Table	4K	2K	1K/1K/2K/8K
Switching Capacity	16Gbps	10Gbps	1.0Gbps/1.6Gbps/3.2Gbps/4.8Gbps
Forwarding Rate	11.9Mpps	7.4Mpps	0.7Mpps/1.2Mpps/2.4Mpps/3.57Mpps
Jumbo Frame	15KB		1518B/2KB/2KB/2KB
Fanless	●		
Green Technology	●		
Auto Negotiation / Auto MDI/MDIX	●		
Flow Control & Back Pressure	●		
QoS	802.1p/DSCP		-
IGMP Snooping	●*		-
Transfer Method	Store and Forward		
Power Supply	External Power Adapter (Output: 9VDC / 0.6A)		External Power Adapter (TL-SF1005D & TL-SF1008D: 5VDC / 0.6A TL-SF1016D & TL-SF1024M: 9VDC / 0.6A)
Certifications	CE, FCC		
Dimensions (W × D × H)	TL-SG108: 6.2 x 4.0 x 1.0 in. (158 x 101 x 25 mm) TL-SG1008D: 7.1 x 3.5 x 1.0 in. (180 x 90 x 25.5 mm)	TL-SG105: 3.9 x 3.9 x 1.0 in. (100 x 98 x 25 mm) TL-SG1005D: 5.5 x 3.5 x 0.9 in. (140 x 88 x 23 mm)	TL-SF1005D: 4.1 x 2.7 x 0.9 in. (103 x 69 x 22 mm) TL-SF1008D: 5.3 x 3.1 x 0.9 in. (135 x 79 x 23 mm) TL-SF1016D: 7.9 x 5.6 x 1.6 in. (201 x 143 x 41 mm) TL-SF1024M: 8.7 x 5.0 x 1.8 in. (222 x 126 x 45 mm)
Environment	Operating Temperature: 0°C ~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing		

* Only TL-SG105/TL-SG108 support IGMP Snooping

Power over Ethernet

TP-Link PoE Switch Series

TP-Link's Power over Ethernet (PoE) switches are specifically designed to meet either the 802.3af standard, or the 802.3 PoE Plus standard for powering network devices. Electrical power is transmitted along with data in a single cable, allowing users to expand their networks to places where there are no power sockets. TP-Link provides both managed and unmanaged PoE switches. With PoE, installation of network devices such as APs, IP cameras, IP phones, and other PoE enabled devices in hard-to-reach outdoor, and remote areas is simplified.
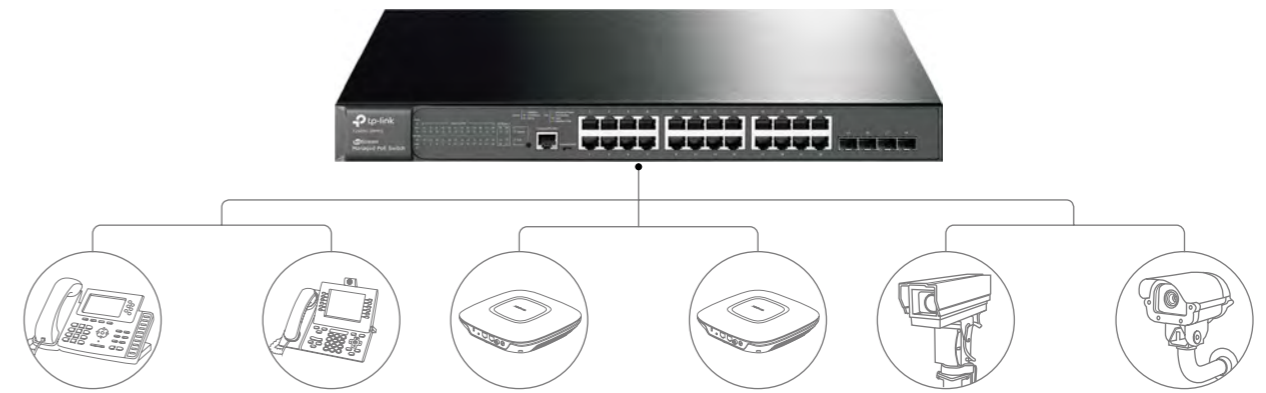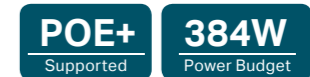
TL-SF1008P/TL-SG1008P/TL-SG1008PE/
TL-SG108PE/TL-SG1016PE

T1500G-10PS (TL-SG2210P)/T1500G-10MPS/
T1500-28PCT (TL-SL2428P)/T1600G-28PS (TL-SG2424P)/
T1600G-52PS (TL-SG2452P)/T2600G-28MPS (TL-SG3424P)

Typical Application

JetStream 24-Port Gigabit L2 Managed PoE+
Switch with 4 SFP Slots
T2600G-28MPS (TL-SG3424P)

POE+ Supported

384W Power Budget

IP Phones (PoE Supported)　　**Wireless Access Points** (PoE Supported)　　**IP Cameras** (PoE Supported)

Switches

Power over Ethernet

Accessories

Auranet Business Wi-Fi Solution

Pharos Wireless Broadband Solution

Outdoor AP

Antennas and Accessories

Routers

Solutions for Business

Power over Ethernet

PoE Switches

Overview

TP-Link's Power over Ethernet (PoE) Switches can automatically detect and supply power to IEEE 802.3at/af compliant Powered Devices (PDs). In this setup, electrical power is transmitted along with data in a single cable. Users can expand their network in places where there are no power sockets available, to fixed devices such as APs, IP cameras or IP phones.

JetStream 24-Port Gigabit L2 Managed PoE+ Switch with 4 SFP Slots

T2600G-28MPS (TL-SG3424P)

- 24 Gigabit RJ45 ports (All ports support IEEE802.3at/af standards), 4 Gigabit SFP expansion slots, 1 RJ45 Console port and 1-Micro USB Console port
- Switching capacity: 56Gbps, Forwarding rate: 41.7Mpps
- 384W PoE Power Budget
- 16K MAC Address table and 9KB Jumbo Frame
- 19-inch rack-mountable steel case

JetStream 48-Port Gigabit Smart PoE+ Switch with 4 SFP Slots

T1600G-52PS (TL-SG2452P)

- 48 Gigabit RJ45 ports (All ports support IEEE 802.3at/af standards), 4 Gigabit SFP expansion slots,
- Switching capacity: 104Gbps, Forwarding rate: 77.4Mpps
- 384W PoE Power Budget
- 16K MAC address table and 9KB Jumbo Frame
- 19-inch rack-mountable steel case

JetStream 24-Port Gigabit Smart PoE+ Switch with 4 SFP Slots

T1600G-28PS (TL-SG2424P)

- 24 Gigabit RJ45 ports (All ports support IEEE 802.3at/af standards) 4 Gigabit SFP expansion slots
- Switching capacity: 56Gbps, Forwarding rate: 41.7Mpps
- 192W PoE Power Budget
- 16K MAC address table and 9KB Jumbo Frame
- 19-inch rack-mountable steel case

JetStream 8-Port Gigabit Smart PoE+ Switch with 2 SFP Slots

T1500G-10MPS

- 8 Gigabit RJ45 ports (All ports support IEEE 802.3at/af standards), 2 Gigabit SFP expansion slots
- Switching capacity: 20Gbps, Forwarding rate: 14.9Mpps
- 116W PoE Power Budget
- 8K MAC address table and 9KB Jumbo Frame
- 13-inch desktop/rack-mountable steel case

JetStream 8-Port Gigabit Smart PoE Switch with 2 SFP Slots

T1500G-10PS (TL-SG2210P)

- 8 Gigabit RJ45 ports(All ports support IEEE 802.3af standard), 2 Gigabit SFP expansion slots
- Switching capacity:20Gbps, Forwarding rate:14.9Mpps
- 53W PoE Power Budget
- 8K MAC address table and 9KB Jumbo Frame
- Desktop steel case

JetStream 24-Port 10/100Mbps + 4-Port Gigabit Smart PoE+ Switch

T1500-28PCT (TL-SL2428P)

- 24 10/100Mbps + 4 Gigabit RJ45 ports (24 10/100Mbps ports support IEEE 802.3at/af standards), 2 combo Gigabit SFP expansion slots
- Switching capacity: 12.8Gbps, Forwarding rate: 9.5Mpps
- 192W PoE Power Budget
- 8K MAC address table and 9KB Jumbo Frame
- 19-inch rack-mountable steel case

		T2600G-28MPS (TL-SG3424P)	T1600G-52PS (TL-SG2452P)	T1600G-28PS (TL-SG2424P)	T1500G-10MPS	T1500G-10PS (TL-SG2210P)	T1500-28PCT (TL-SL2428P)
	Product Picture						
	Model	T2600G-28MPS (TL-SG3424P)	T1600G-52PS (TL-SG2452P)	T1600G-28PS (TL-SG2424P)	T1500G-10MPS	T1500G-10PS (TL-SG2210P)	T1500-28PCT (TL-SL2428P)
	Product Description	JetStream 24-Port Gigabit L2 Managed PoE+ Switch with 4 SFP Slots	JetStream 48-Port Gigabit Smart PoE+ Switch with 4 SFP Slots	JetStream 24-Port Gigabit Smart PoE+ Switch with 4 SFP Slots	JetStream 8-Port Gigabit Smart PoE+ Switch with 2 SFP Slots	JetStream 8-Port Gigabit Smart PoE Switch with 2 SFP Slots	JetStream 24-Port 10/100Mbps + 4-Port Gigabit Smart PoE+ Switch
Hardware	10/100Mbps RJ45 Ports	-					24, all support PoE+
	Gigabit RJ45 Ports	24, all support PoE+	48, all support PoE+	24, all support PoE+	8, all support PoE+	8, all support PoE	4
	Gigabit SFP Ports		4			2	2 (Combo)
	Console Port	1 (RJ45), 1 (Micro-USB)			-		
	Standards	IEEE 802.3i, 802.3u, 802.3ab, 802.3ad, 802.3x, 802.3af, 802.3at, 802.1Q, 802.1p, 802.1d, 802.1w, 802.1s, 802.1x					
	Auto Negotiation / Auto MDI/MDIX	●					
	Flow Control	●					
	Power Supply	100-240VAC, 50/60Hz				External Power Adapter (Output: 48VDC / 1.25A)	100-240VAC, 50/60Hz
	PoE Power Budget	384W	384W	192W	116W	53W	192W
	Fanless	-				●	-
	Certifications	CE, FCC					
	Dimensions (W × D × H)	17.3 x 13 x 1.7 in. (440 × 330 × 44 mm)	17.3 × 13 × 1.7 in. (440 × 330 × 44 mm)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)	11.6 × 7.1 × 1.7 in. (294 × 180 × 44 mm)	8.2 × 4.9 × 1.0 in. (209 × 126 × 26 mm)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)
	Environment	Operating Temperature: 0°C ~40°C (32°F~104°F); Storage Temperature: -40°C ~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing					
Performance	Switch Capacity	56Gbps	104Gbps	56Gbps	20Gbps	20Gbps	12.8Gbps
	Forwarding Rate	41.7Mpps	77.4Mpps	41.7Mpps	14.9Mpps	14.9Mpps	9.5Mpps
	MAC Address Table	16K				8K	
	Jumbo Frame	9KB					
L3 Features	Static Routing	●				-	
	DHCP Relay	●				-	
	IGMP Snooping	V1/V2/V3					
L2 Features	STP/RSTP/MSTP	●					
	BPDU Filtering/Guard	●					
	ROOT Guard/Loopback Detection	●					
	QinQ	●		-			
	VLAN	802.1Q/MAC-based/ Protocol-based/Private/ Voice VLAN	802.1Q/MAC-based/Protocol-based/Voice VLAN			802.1Q/Voice VLAN	
	QoS	8 Queues/Port 802.1p/IP DSCP based CoS, ToS				4 Queues/Port 802.1p/IP DSCP based CoS, ToS	
	Rate Limit	●					
	Port Isolation	●					
	Port Mirroring	●					
	LACP	●					
	Link Aggregation	●					
	DHCP Snooping	●					
	DHCP & BOOTP Client	●					
Security	Access Control List	●					
	IP+MAC+PORT+VID Binding	●					
	Storm Control	●					
	Port Security	●					
	SSH & SSL	●					
	IP Source Guard	●			-		
	DoS Defend	●					
	Dynamic ARP Inspection	●					
	IEEE 802.1X Authentication	●					
	Guest VLAN	●					
System Management	SNMP	V1/V2c/V3					
	RMON	Group 1, 2, 3, 9					
	Command Line Interface (CLI)	Telnet					
	Dual Image	●					
	sFlow	●			-		
	Ethernet OAM	●			-		
	LLDP/LLDP-MED	●					
	IPv6	●			-		
	Firmware Upgrade	●					
	System Diagnose	VCT/Loopback Detection/CPU Monitor/Ping/Tracert					
	Web Interface/SYSLOG/ MIBS	●					

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Power over Ethernet

PoE Switches

Overview

TP-Link's Power over Ethernet (PoE) Switches can automatically detect and supply power to IEEE 802.3at/af compliant Powered Devices (PDs). In this setup, electrical power is transmitted along with data in a single cable. Users can expand their network in places where there are no power sockets available, to fixed devices such as APs, IP cameras or IP phones.

16-Port Gigabit Easy Smart Switch with 8-Port PoE+
TL-SG1016PE

- 16 Gigabit RJ45 ports (Port 1~Port 8 support IEEE802.3 at/af standards)
- Switching capacity: 32Gbps, Forwarding rate: 23.8Mpps
- About 110W PoE Power Budget
- 8K MAC Address Table and 10KB Jumbo Frame
- 13-inch desktop/rack-mountable steel case

8-Port Gigabit Easy Smart Switch with 4-Port PoE
TL-SG108PE

- 8 Gigabit RJ45 ports (Port 1~Port 4 support IEEE802.3af standard)
- Switching capacity: 16Gbps, Forwarding rate: 11.9Mpps
- 55W PoE Power Budget
- 4K MAC Address Table and 15KB Jumbo Frame
- Fanless design
- Desktop steel case

8-Port Gigabit Desktop/Rackmount Switch with 8-Port PoE+
TL-SG1008PE

- 8 Gigabit RJ45 ports(All ports support IEEE 802.3at/af standards)
- Switching capacity: 16Gbps, Forwarding rate: 11.9Mpps
- 126W PoE Power Budget
- 4K MAC address table and 15KB Jumbo Frame
- Supports QoS (802.1p/DSCP) and IGMP Snooping
- 13-inch desktop/rack-mountable steel case

8-Port Gigabit Desktop Switch with 4-Port PoE
TL-SG1008P

- 8 Gigabit RJ45 ports (Port 1~Port 4 support IEEE 802.3af standard)
- Switching capacity: 16Gbps, Forwarding rate: 11.9Mpps
- 55W PoE Power Budget
- 4K MAC address table and 15KB Jumbo Frame
- Supports QoS (802.1p/DSCP) and IGMP Snooping
- Desktop steel case

8-Port 10/100Mbps Desktop Switch with 4-Port PoE
TL-SF1008P

- 8 10/100Mbps RJ45 ports (Port 1~Port 4 support IEEE 802.3af standards)
- Switching capacity: 1.6Gbps, Forwarding rate: 1.2Mpps
- 57W PoE Power Budget
- 1K MAC address table
- Desktop steel case

		TL-SG1016PE	TL-SG108PE	TL-SG1008PE	TL-SG1008P	TL-SF1008P
	Model	TL-SG1016PE	TL-SG108PE	TL-SG1008PE	TL-SG1008P	TL-SF1008P
	Product Description	16-Port Gigabit Easy Smart Switch with 8-Port PoE+	8-Port Gigabit Easy Smart Switch with 4-Port PoE	8-Port Gigabit Desktop/Rackmount Switch with 8-Port PoE+	8-Port Gigabit Desktop Switch with 4-Port PoE	8-Port 10/100Mbps Desktop Switch with 4-Port PoE
Hardware	10/100Mbps RJ45 Port			-		8, Port 1~4 support PoE
	Gigabit RJ45 Ports	16 (Port 1~8 support PoE+)	8 (Port 1~4 support PoE)	8 (all ports support PoE+)	8 (Port 1~4 support PoE)	-
	Standards	IEEE802.3i, 802.3u, 802.3ab, 802.3x, 802.3at, 802.3af,	IEEE802.3i, 802.3u, 802.3ab, 802.3x, 802.3af,	IEEE802.3i, 802.3u, 802.3ab, 802.3x, 802.3at, 802.3af,	IEEE802.3i, 802.3u, 802.3ab, 802.3x, 802.3af,	IEEE802.3i, 802.3u, 802.3x, 802.3af
	Auto Negotiation / Auto MDI/MDIX			●		
	Flow Control			●		
	Power Supply	100-240VAC, 50/60Hz	External Power Adapter (Output: 48VDC / 1.25A)	100-240VAC, 50/60Hz	External Power Adapter (Output: 48VDC / 1.25A)	
	PoE Power Budget	About 110W	55W	126W	55W	57W
	Fanless	-	●	-	●	
	Certifications			CE, FCC		
	Dimensions (W × D × H)	11.6 × 7.1 × 1.7 in. (294 × 180 × 44 mm)	6.2 × 4.0 × 1.0 in. (158 × 101 × 25 mm)	11.6 × 7.1 × 1.7 in. (294 × 180 × 44 mm)	6.7 × 3.9 × 1.1 in. (171 × 98 × 27 mm)	6.7 × 3.9 × 1.1 in. (171 × 98 × 27 mm)
	Environment	Operating Temperature: 0°C~40°C(32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing				
Performance	Switch Capacity	32Gbps	16Gbps			1.6Gbps
	Forwarding Rate	35.7Mpps	11.9Mpps			1.2Mbps
	MAC Address Table	8K	4K			1K
	Jumbo Frame	10KB	15KB			-
Software Features	IGMP Snooping	v1/v2/v3		v1/v2		
	Link Aggregation (Static LAG)	●		-		
	Port Mirroring	●		-		
	Cable Test	●		-		
	Loop Prevention	●		-		
	VLAN	MTU/Port/802.1Q VLAN		-		
	QoS	4 Queues, Port/802.1p/DSCP		802.1p/DSCP		-
	Rate Limit	●		-		
	Strom Control	●		-		
	Firmware Upgrade	●		-		

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10 Gigabit SFP+ Module

Product Picture	
Model	TX432
Product Description	10-Gigabit 2-Port SFP+ Module
Standard	IEEE 802.3ae, IEEE 802.3aq, SFF-8431
LED	M1,M2
Dimensions	5.2 x 3.6 x 1.2 in. (131 x 92 x 31mm)
Max Power Consumption	6.57W with Fiber
Certifications	CE, FCC
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing

SFP+ Cable

Product Picture		
Model	TXC432-CU1M	TXC432-CU3M
Product Description	1M Direct Attach SFP+ Cable	1M Direct Attach SFP+ Cable
Cable Length	1m	3m
Data Rate	10Gbps	
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing	

Redundant Power Supply

Product Picture			
Model	RPS150	PSM150-AC	RPS2
Product Description	150W Redundant Power Supply	150W AC Power Supply Module	Dual Bay Rackmountable RPS Shelf
AC Power Input	100-240V~ 50/60Hz 2.5A	100-240V~ 50/60Hz 2.5A	-
DC Power Output	12V/12.5A		-
Maximum Power Output	150W		-
LEDs	Power, FAN	Power, PS OK, Fault	-
Dimensions	7.9 x 8.0 x 1.7 in. (200 x 204 x 44 mm)	4.7 x 8.4 x 1.6 in. (120 x 213 x 41.8 mm)	19.0 x 7.5 x 2.2 in. (482 x 190 x 56 mm)
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing		

PoE Adapters

Overview

TP-Link's Power over Ethernet (PoE) Adapters can help deliver your power and data through one Ethernet cable, allowing you to expand your network to those places where there are no power lines or outlets. Among TP-Link's family of PoE Adapters, TL-POE150S and TL-POE10R support IEEE 802.3af standard, making them highly compatible with all IEEE 802.3af compliant devices. TL-POE200 is a pair product and includes TL-POE200A and TL-POE200B, which are recommended to be used together.

TL-POE150S
- Support IEEE 802.3af standard
- Support Gigabit speed
- Auto MDI/MDIX, Auto Negotiation
- LED indicator for PWR, Link/Act

TL-POE10R
- Support IEEE 802.3af standard
- Support Gigabit speed
- Optional 12V/9V/5V power supply
- Auto MDI/MDIX, Auto Negotiation

TL-POE200
- Optional 12V/9V/5V power supply
- Auto MDI/MDIX, Auto Negotiation

Product Picture				
Model	TL-POE150S	TL-POE10R	TL-POE200	
Product Description	PoE Injector	PoE Splitter	PoE Injector	PoE Splitter
RJ45 Ports	1 Gigabit RJ45 LAN port 1 Gigabit RJ45 PoE port		1 10/100Mbps RJ45 LAN port 1 10/100Mbps RJ45 PoE port	
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, 802.3af; CSMA/CD, TCP/IP		IEEE802.3, IEEE802.3u; CSMA/CD, TCP/IP	
Power Supply	Input: 100-240VAC	Output: 5/9/12VDC	Input: 100-240VAC	Output: 5/9/12VDC
Certifications	CE, FCC			
Dimensions (W × D x H)	3.2 x 2.1 x 0.9 in. (80.8 x 54 x 24 mm)			
Enviroment	Operating Temperature: 0°C ~40°C (32°F~104°F); Storage Temperature: -40°C ~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~89% non-condensing			

Switches

Power over Ethernet

Accessories

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Routers

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Media Converters

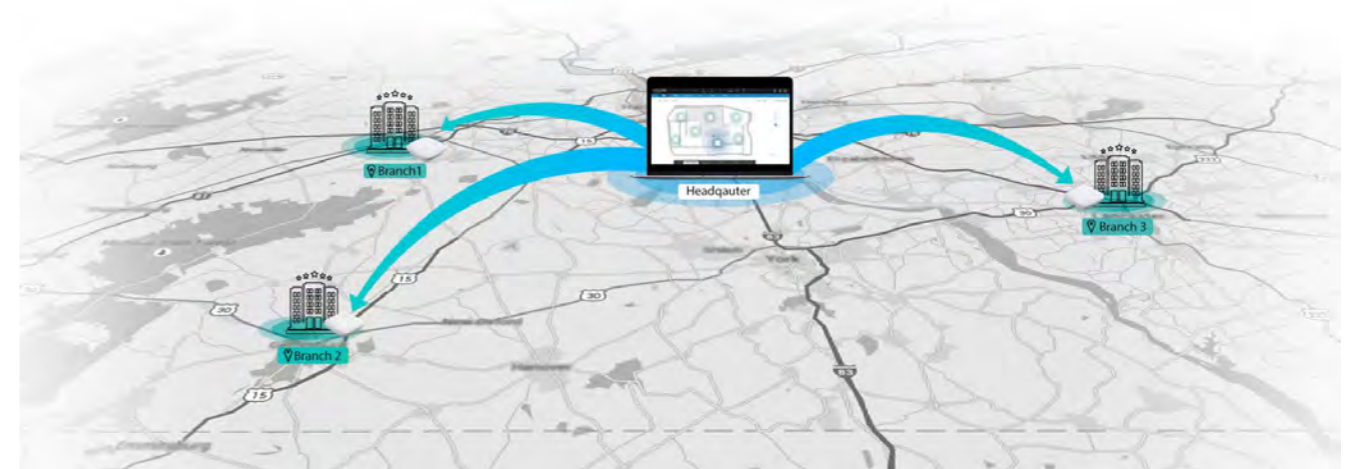| Product Picture							
Model	MC200CM	MC210CS	MC220L	MC100CM	MC110CS	MC111CS	MC112CS
Product Description	Gigabit Ethernet Media Converter	Gigabit Ethernet Media Converter	Gigabit Ethernet Media Converter	Fast Ethernet Media Converter	Fast Ethernet Media Converter	WDM Fast Ethernet Media Converter	WDM Fast Ethernet Media Converter
Interface	1 Gigabit SC/UPC Port		1 Gigabit SC Port	1 10/100Mbps SC/UPC Port			
	1 10/1001000Mbps RJ45 Port (Auto MDI/MDIX)			1 10/100Mbps RJ45 Port (Auto MDI/MDIX)			
Standards	IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x			IEEE 802.3u, IEEE 802.3x			
Transmission Media	Multi-mode Fiber, Cat-5	Single-mode Fiber, Cat-5	Multi/Single-mode Fiber, Cat-5	Multi-mode Fiber, Cat-5	Single-mode Fiber, Cat-5	Single-mode Fiber, Cat-5	Single-mode Fiber ,Cat-5
Wave Length	850nm	1310nm	Depends on the SFP Modules used	1310nm	1310nm	TX:1550nm RX:1310nm	TX:1310nm RX:1550nm
Transmission Distance	0.55km	15km	0.55km /10km	2km	20km	20km	20km
Certifications	FCC, CE						
Dimensions (W × D × H)	3.7 × 2.9 × 1.1 in. (94.5 × 73.0 × 27.0 mm)						
Enviroment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~89% non-condensing						

Product Picture	
Model	TL-MC1400
Product Description	14-Slot Rackmount Chassis
Interface	14 bays to house up to 14 media converters
Certifications	FCC, CE
Dimensions (W × D × H)	19.0 x 14.1 x 3.4 in. (482 x 358 x 86mm) Standard 19-Inch, 2U height
Weight	8Kg
Enviroment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~89% non-condensing

SFP Modules

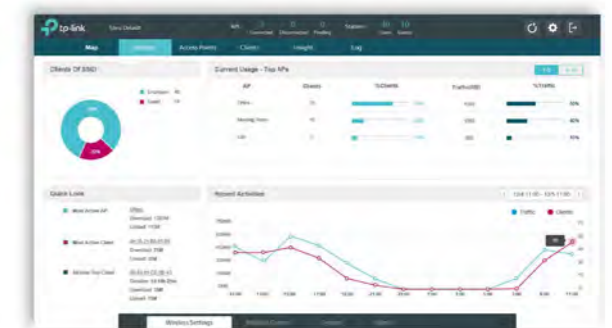| Product Picture						
Model	TL-SM311LM	TL-SM311LS	TL-SM321A	TL-SM321B	TXM431-SR	TXM431-LR
Product Description	Multi-mode SFP Module	Single-mode SFP Module	1000Base-BX WDM Bi-Directional SFP module	1000Base-BX WDM Bi-Directional SFP module	10GBase-SR SFP+ LC Transceiver	10GBase-LR SFP+ LC Transceiver
Cable	Multi-mode Fiber	Single-mode Fiber	Single-mode Fiber	Single-mode Fiber	Multi-mode Fiber	Single-mode Fiber Fiber
Fiber Type	50/125μm or 62.5/125μm Multi-mode	9/125 μm Single-mode	9/125 μm Single-mode	9/125 μm Single-mode	50/125μm or 62.5/125μm Multi-mode	9/125 μm Single-mode
MAX. Cable Length	550m	10km	10km	10km	300m or 33m	10km
Standard	IEEE 802.3z				IEEE 802.3ae, CSMA/CD, TCP/IP	
Data Rate	1.25Gbps				10Gbps	
Port Type	LC				LC/UPC	
Wave Length	850nm	1310nm	TX: 1550nm RX: 1310nm	TX: 1310nm RX: 1550nm	850nm	1310nm
Power Supply	3.3V					
Certifications	CE, FCC					
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing					

Auranet Business Wi-Fi Solution

Ʌuranet Controller Software for EAP Series

TP-Link's free Auranet Controller Software allows users to conveniently manage hundreds of TP-Link Auranet EAPs spread across multiple sites all from a single location. The ability to control, adjust, and visualize the entire network from any connected PC makes centralized business Wi-Fi management more efficient and cost-effective than ever before. The Auranet Controller Software integrates seamlessly with Auranet EAP series devices to create cost-effective business Wi-Fi solutions that offer ultimate performance.

Convenient and Effective Management

• Free to use, no expensive hardware controller required
• Easy-to-use, no special training necessary
• Scalable Management, allowing for hundreds of Auranet APs under one centralized controller
• Regardless of geography, managing Auranet APs in multiple sites from a central location

Real-time Status Monitoring

• Visual statistic analytics showing overall network usage and traffic distribution
• Instantly view data traffic and client connections for any individual Auranet AP
• Easily monitor the activity of each respective clients
• Effectively provides comprehensive client connection logs and detects rogue APs

Auranet Business Wi-Fi Solution

802.11ac Auranet EAPs

Overview

The TP-Link Auranet Business Wi-Fi Solution - EAP Series provides a flexible, easy-to-deploy, user-friendly and manageable business-class wireless network solution. Centralized WLAN management is made simple with our free centralized management software – Auranet Controller. The 802.11ac Auranet EAP Series is a new generation of high-performance products, designed to be easily mounted to a wall or ceiling. Auranet EAP solution features captive portal and advanced RF management, making them ideal for the demanding multi-user business environments of campuses, hotels, malls and offices.

AC1900 Wireless Dual Band Gigabit Access Point

EAP330

- Simultaneous Dual Band, with maximum speeds of up to 600Mbps over 2.4GHz and 1300Mbps over 5GHz
- 2 Gigabit Ethernet ports
- Supports Power over Ethernet (IEEE 802.3at) for flexible deployment
- Ceiling or Wall Mounting

AC1200 Wireless Dual Band Gigabit Access Point

EAP320

- Simultaneous Dual Band, with maximum speeds of up to 300Mbps over 2.4GHz and 867Mbps over 5GHz
- 1 Gigabit Ethernet port, 1RJ45 console port
- Support Power over Ethernet (IEEE 802.3at) for flexible deployment
- Ceiling or Wall Mounting

AC1750 Wireless Dual Band Gigabit Access Point

EAP245

- Simultaneous Dual Band, with maximum speeds of up to 450Mbps over 2.4GHz and 1300Mbps over 5GHz
- 1 Gigabit Ethernet port
- Supports Power over Ethernet (IEEE 802.3at) for flexible deployment
- Ceiling or Wall Mounting

AC1200 Wireless Dual Band Gigabit Access Point

EAP225

- Simultaneous Dual Band, with maximum speeds of up to 300Mbps over 2.4GHz and 867Mbps over 5GHz
- 1 Gigabit Ethernet port
- Supports Power over Ethernet (IEEE 802.3af) for flexible deployment
- Ceiling or Wall Mounting

Features

Wireless Function

- IEEE 802.11a/b/g/n/ac
- Multiples SSIDs
- Automatic Channel Assignment
- Transmit Power Control
- QoS (WMM)
- Load Balance
- Band Steering
- Rate Limit
- Beamforming[1]
- Airtime Fairness[1]
- Wireless Schedule

Wireless Security

- Captive Portal Authentication
- Access Control
- MAC Address Filtering
- Wireless Isolation between Clients
- SSID to VLAN Mapping
- Rogue AP Detection
- 802.1x Support
- WEP, WPA/WPA2-PSK, WPA/WPA2-Enterpise Encryption

Centralized Network Management

- Free Controller Software
- L3 Management
- Multi-Site Management
- Automatic Device Discovery
- Centralized Configuration
- Centralized Monitoring
- Unified Firmware Upgrade

[1] Only supported by model EAP320/EAP330

		EAP330	EAP320	EAP245	EAP225
	Product Picture				
	Model	EAP330	EAP320	EAP245	EAP225
	Product Description	AC1900 Wireless Dual Band Gigabit Access Point	AC1200 Wireless Dual Band Gigabit Access Point	AC1750 Wireless Dual Band Gigabit Access Point	AC1200 Wireless Dual Band Gigabit Access Point
Main Design	Wireless Frequency	2.4GHz and 5GHz			
	Compatibility	IEEE802.11a/b/g/n/ac			
	Maximum Data Rate	Up to 600Mbps(2.4GHz)+ 1300 Mbps(5GHz)	Up to 300Mbps(2.4GHz)+ 867 Mbps(5GHz)	Up to 450Mbps(2.4GHz)+ 1300 Mbps(5GHz)	Up to 300Mbps(2.4GHz)+ 867 Mbps(5GHz)
	Internal Antennas	2.4GHz: 3*6dBi 5GHz: 3*7dBi	2.4GHz: 2*5dBi 5GHz: 2*6dBi	2.4GHz: 3*4dBi 5GHz: 3*4dBi	2.4GHz: 2*4dBi 5GHz: 2*4dBi
	Transmit power	CE:<20dBm(2.4GHz), <23dBm(5GHz) FCC:<27dBm			
	Ethernet Ports	Gigabit Ethernet(RJ-45)Port*2	Gigabit Ethernet(RJ-45) Port*1		
	Power over Ethernet (PoE)	IEEE 802.3at			IEEE 802.3af
Centralized Management	Cluster		●		
Security	Captive Portal Authentication		●		
	Access Control		●		
	Wireless MAC Address Filtering		●		
	Wireless Isolation between Clients		●		
	SSID to VLAN Mapping		●		
	Rogue AP Detection		●		
	802.1X Support		●		
	Encryption	WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise			
Wireless Function	Multiple SSIDs	16 (8 on each radio)			
	Automatic Channel Assignment		●		
	Transmit Power Control	Adjust Transmit Power on dBm			
	QoS(WMM)		●		
	Airtime Fairness	●		-	
	Beamforming	●		-	
	Load Balance		●		
	Rate Limit		●		
	Reboot Schedule		●		
	Wireless Schedule		●		
Management	Management MAC Access Control		●		
	Web-Based Management		●		
	Telnet		●		
	SNMP	v1, v2c			
	System Logging	Local/Remote Syslog			
	Email Alerts		●		
Hardware	Power Supply	PoE or external 12VDC/2.5A power supply	PoE or external 12VDC/1.5A power supply		
	Max. Power Consumption	14 watts	13 watts	12.7 watts	10.15 watts
	Physical Security Lock	Kensington Lock Slot			
	Button	Reset Button			
	Watch Dog		●		
	Certification	CE, FCC, RoHS			
	Mounting	Ceiling /Wall mounting (Kits included)			
	Dimensions (W x D x H)	8.7 x 7.6 x 1.4 in. (220.5 x 193.5 x 36.5 mm)		7.1 × 7.1 × 1.9 in. (180 × 180 × 47.5 mm)	
	System Requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8, Windows 10			
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F), Storage Temperature: -40°C~70°C (-40°F~158°F), Operating Humidity: 10%~90% non-condensing, Storage Humidity: 5%~90% non-condensing			

Auranet Business Wi-Fi Solution

802.11n Auranet EAPs

Overview

The TP-Link Auranet Business Wi-Fi Solution - EAP Series provides a flexible, easy-to-deploy, user-friendly and manageable business-class wireless network solution. Centralized WLAN management is made simple with our free centralized management software – Auranet Controller. The 802.11n Auranet EAP Series supports deployment methods including wall, ceiling, pole and in-wall mounting, providing a cost-effective and complete solution for business Wi-Fi networks in numerous application scenarios.

300Mbps Wireless N Access Point
EAP115
- Wireless N Speed of up to 300Mbps
- 1 10/100Mbps Ethernet port
- Supports Power over Ethernet (IEEE 802.3af) for flexible deployment
- Ceiling or Wall Mounting

300Mbps Wireless N Access Point
EAP110
- Wireless N Speed of up to 300Mbps
- 1 10/100Mbps Ethernet port
- Supports Passive Power over Ethernet for flexible deployment.
- Ceiling or Wall Mounting

300Mbps Wireless N Wall-Plate Access Point
EAP115-Wall
- Wireless N Speed of up to 300Mbps
- 2 10/100Mbps Ethernet ports
- Supports Power over Ethernet (IEEE 802.3af) for flexible deployment
- In Wall Mounting, Fit in Standard EU Junction Box

300Mbps Wireless N Outdoor Access Point
EAP110-Outdoor
- Wireless N Speed of up to 300Mbps
- 1 10/100Mbps Ethernet port
- Supports Passive Power over Ethernet
- Pole or Wall Mounting
- 2 External Detachable Waterproof Antennas

Features

Wireless Function
- IEEE 802.11b/g/n
- Multiples SSIDs
- Automatic Channel Assignment
- Transmit Power Control
- QoS (WMM)
- Load Balance
- Rate Limit
- Wireless Schedule

Wireless Security
- Captive Portal Authentication
- Access Control
- MAC Address Filtering
- Wireless Isolation between Clients
- SSID to VLAN Mapping
- Rogue AP Detection
- 802.1x Support
- WEP, WPA/WPA2-PSK, WPA/WPA2-Enterpise Encryption

Centralized Network Management
- Free Controller Software
- L3 Management
- Multi-Site Management
- Automatic Device Discovery
- Centralized Configuration
- Centralized Monitoring
- Unified Firmware Upgrade

		EAP115	EAP110	EAP115-Wall	EAP110-Outdoor
Product Picture					
Model		EAP115	EAP110	EAP115-Wall	EAP110-Outdoor
Product Description		300Mbps Wireless N Access Point	300Mbps Wireless N Access Point	300Mbps Wireless N Wall-Plate Access Point	300Mbps Wireless N Outdoor Access Point
Main Design	Wireless Frequency	2.4GHz			
	Compatibility	IEEE 802.11b/g/n			
	Maximum Data Rate	Up to 300Mbps			
	Antennas	2*3dBi		2*1.8dBi	2*5dBi (External)
	Transmit power	CE: <20dBm FCC: <26dBm		CE: <15dBm	CE: <20dBm FCC: <27dBm
	Ethernet Ports	10/100Mbps Ethernet Port *1		10/100Mbps Ethernet Port *2	10/100Mbps Ethernet Port *1
	Power over Ethernet (PoE)	IEEE 802.3af	24V Passive PoE	IEEE 802.3af	24V Passive PoE
Centralized Management	Cluster	●		-	
	Max APs in One Cluster	24		-	
	EAP Controller Software	●			
Security	Captive Portal Authentication	●			
	Access Control	●			
	Wireless MAC Address Filtering	●			
	Wireless Isolation between Clients	●			
	SSID to VLAN Mapping	●			
	Rogue AP Detection	●			
	802.1X Support	●			
	Encryption	WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise			
Wireless Function	Multiple SSIDs	8			
	Automatic Channel Assignment	●			
	Transmit Power Control	Adjust Transmit Power on dBm			
	QoS(WMM)	●			
	Load Balance	●			
	Reboot Schedule	●			
	Wireless Schedule	●			
Management	LED ON/OFF Control	●			
	Management MAC Access Control	●			
	Web-Based Management	●			
	Telnet	●			
	SNMP	v1,v2c			
	System Logging	Local/Remote Syslog			
	Email Alerts	●			
Hardware	Power Supply	PoE or External 12VDC / 1A Power Supply	24V Passive PoE Power Supply	IEEE 802.3af PoE	24V Passive PoE Power Supply
	Max. Power Consumption	5 watts	6.55 watts	2.8 watts	6.3 watts
	Physical Security Lock	Kensington Lock Slot			-
	Button	Reset Button			
	Watch Dog	●			
	Certification	CE, FCC, RoHS			
	Mounting	Ceiling /Wall mounting (Kits included)		Wall Plate Mouting	Pole/Wall Mounting (Kits included)
	Dimensions (W x D x H)	7.1 × 7.1 × 1.9 in. (180 × 180 × 47.5 mm)		3.4 × 3.4 × 1.2 in. (86.8 × 86.8 × 30.2 mm)	8.2 × 3.7 × 1.7 in. (209 × 95 × 42.6 mm)
	System Requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8, Windows 10			
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F), Storage Temperature: -40°C~70°C (-40°F~158°F), Operating Humidity: 10%~90% non-condensing, Storage Humidity: 5%~90% non-condensing			Operating Temperature: -30°C~65°C (-22°F~149°F), Storage Temperature: -40°C~70°C (-40°F~158°F), Operating Humidity: 10%~90% non-condensing, Storage Humidity: 5%~90% non-condensing

Switches

Power over Ethernet

Accessories

Auranet Business Wi-Fi Solution

Pharos Wireless Broadband Solution

Outdoor AP

Antennas and Accessories

Routers

Solutions for Business

Switches

Power over Ethernet

Accessories

Auranet Business Wi-Fi Solution

Pharos Wireless Broadband Solution

Outdoor AP

Antennas and Accessories

Routers

Solutions for Business

Auranet Business Wi-Fi Solution

⋏uranet Wireless Controller for CAP Series

TP-Link's Auranet Business Wi-Fi Solution - CAP Series provides a scalable, manageable and secure business-class wireless network solution for devices including wireless controllers and access points. Auranet Wireless Controller is a centralized management platform, designed for small and medium-sized businesses that demand secure and reliable networks. AC50 Wireless Controller is able to manage up to 50 CAP Series access points, ideal for SOHO and small business networks, while AC500 Wireless Controller can manage up to 500 APs, providing a greater choice for medium-sized businesses.

AC500 Wireless Controller

AC500

- Manage up to 500 CAPs
- 1GHz Dual-core MIPS64 network dedicated processor
- 5 Gigabit Ethernet ports
- Automatically discover APs and configure all APs from one access controller with Unified configuration.

AC50 Wireless Controller

AC50

- Manage up to 50 CAPs
- 650MHz Network dedicated processor
- 5 10/100Mbps Ethernet ports
- Automatically discover APs and configure all APs from one access controller with Unified configuration.

Features

Wireless Function
- Multiples SSIDs
- Automatic Channel Assignment
- Transmit Power Control
- Load Balance
- Band Steering
- Reboot Schedule
- Wireless Schedule

Wireless Security
- Captive Portal Authentication
- MAC Address Filtering
- Wireless Isolation between Clients
- SSID to VLAN Mapping
- 802.1x Support
- WEP, WPA/WPA2-PSK, WPA/WPA2-Enterpise Encryption

Centralized Network Management
- L3 Management
- Automatic Device Discovery
- Centralized Configuration
- Centralized Monitoring
- Unified Firmware Upgrade

*To utilize these features, the Wireless Controller must be connected to Auranet CAP series access points

		AC500	AC50
Product Picture			
Model		AC500	AC50
Product Description		AC500 Wireless Controller	AC50 Wireless Controller
Main Design	Processor	1GHz Dual-core MIPS64 network dedicated processor	650MHz Network dedicated processor
	Memory Information	256MB DDR3*2, 32MB Flash*2	128MB DDR2*1, 16MB Flash*1
	Interface	Gigabit Ethernet Port*5	10/100Mbps Ethernet Port*5
	Management Scale	Up to 500 APs	Up to 50 APs
Security	Communication protocol	CAPWAP	
	Encryption	WEP/WPA-PSK/WPA2-PSK(AES/TKTP)/WPA/WPA2	
	AP Isolation	•	•
	SSID Isolation	•	•
	SSID to VLAN Mapping	•	•
AP Management	Support AP	TP-Link Auranet CAP Series AP	
	AP Automatic Discovery	•	•
	AP Unified Configuration	•	•
	Reboot Schedule	•	•
	Batch Firmware Upgrade	•	•
	L3 Management	•	•
	AP LED ON/OFF	•	•
Monitoring	System	•	•
	AP Statistics	•	•
	Client Statistics	•	•
	Authentication User Statistics	•	•
Wireless Function	Load Balance	•	•
	Band Steering	•	•
	Rate Limit	•	•
	Auto Channel Adjustment	•	•
	Transmit Power Adjustment	•	•
	WMM	•	•
Authentication Function	Captive Portal	•	•
	MAC Filtering	•	•
System Management	Web-based Management	•	•
	Configuration Backup/Import	•	•
	Ping/Tracert Tool	•	•
	System Log	•	•
Hardware Design	Power Supply	100~240V AC, 50/60Hz	
	Dimensions (W × D × H)	17.3 × 8.9 × 1.7 in. (440 × 227 × 44 mm)	8.2 × 5.0 × 1.0 in. (209 × 126 × 26 mm)
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F), Storage Temperature: -40°C~70°C (-40°F~158°F), Operating Humidity: 10%~90% non-condensing, Storage Humidity: 5%~90% non-condensing	

Auranet Business Wi-Fi Solution

Auranet CAPs

Overview

TP-Link's Auranet Business Wi-Fi Solution - CAP Series provides a scalable, manageable and secure business-class wireless network solution for devices including wireless controllers and access points. The Auranet CAPs can either be centrally managed by Auranet Wireless Controllers or work as standalone access points. With captive portal and advanced RF management functions, Auranet CAP solution is ideal for the demanding multi-user business environments found in campuses, hotels, malls and offices. Among them, the 802.11ac Wave 2 CAP2200 access point uses the latest technology to create faster, stronger and more reliable wireless connections for your business network.

AC2200 Wireless Tri-Band MU-MIMO Ceiling Mount Access Point
CAP2200
- Simultaneous Tri-Band, with maximum speeds of up to 400Mbps over 2.4GHz ,867Mbps over both 5GHz bands
- 2 Gigabit Ethernet ports
- Supports Power over Ethernet (IEEE 802.3at) for flexible deployment
- Ceiling or Wall Mounting

AC1750 Wireless Dual Band Gigabit Access Point
CAP1750
- Simultaneous Dual Band, with maximum speeds of up to 450Mbps over 2.4GHz and 1300Mbps over 5GHz
- 1 Gigabit Ethernet port
- Supports Power over Ethernet (IEEE 802.3at) for flexible deployment
- Ceiling or Wall Mounting

AC1200 Wireless Dual Band Gigabit Access Point
CAP1200
- Simultaneous Dual Band, with maximum speeds of up to 300Mbps over 2.4GHz and 867Mbps over 5GHz
- 1 Gigabit Ethernet port
- Supports Power over Ethernet (IEEE 802.3af) for flexible deployment
- Ceiling or Wall Mounting

300Mbps Wireless N Access Point
CAP300
- Wireless N speeds of up to 300Mbps
- 1 10/100Mbps Ethernet port
- Supports Power over Ethernet (IEEE 802.3af) for flexible deployment
- Ceiling or Wall Mounting

300Mbps Wireless N Outdoor Access Point
CAP300-Outdoor
- Wireless N speeds of up to 300Mbps
- 1 10/100Mbps Ethernet port
- Supports Power over Ethernet (IEEE 802.3af) for flexible deployment
- Pole or Wall Mounting
- 2 External Detachable Waterproof Antenna

		CAP2200	CAP1750	CAP1200	CAP300	CAP300-Outdoor
	Product Picture					
	Model	CAP2200	CAP1750	CAP1200	CAP300	CAP300-Outdoor
	Product Description	AC2200 Wireless Tri-Band MU-MIMO Ceiling Mount Access Point	AC1750 Wireless Dual Band Gigabit Access Point	AC1200 Wireless Dual Band Gigabit Access Point	300Mbps Wireless N Access Point	300Mbps Wireless N Outdoor Access Point
Main Design	Wireless Frequency	2.4GHz and 5GHz				2.4GHz
	Compatibility	IEEE802.11a/b/g/n/ac				IEEE 802.11b/g/n
	Maximum Data Rate	Up to 400Mbps(2.4GHz)+867 Mbps(5GHz)+867 Mbps(5GHz)	Up to 450Mbps(2.4GHz)+1300 Mbps(5GHz)	Up to 300Mbps(2.4GHz)+867 Mbps(5GHz)	Up to 300 Mbps	
	Antennas	N/A	2.4GHz: 3*4dBi 5GHz: 3*4dBi	2.4GHz: 2*4dBi 5GHz: 2*4dBi	2*3dBi	2*5dBi (External)
	Ethernet Ports	Gigabit Ethernet Port*2	Gigabit Ethernet Port*1		10/100Mbps Ethernet Port*1	
	Power over Ethernet (PoE)	IEEE 802.3at			IEEE 802.3af	
Centralized Management	Wireless Controller			●		
Security	Captive Portal Authentication			●		
	Wireless MAC Address Filtering			●		
	Wireless Isolation between Clients			●		
	SSID to VLAN Mapping			●		
	802.1X Support			●		
	Encryption	WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise				
Wireless Function	Fast Roaming	●	-	●		-
	Multiple SSIDs	16 (8 on each radio)			8	
	Automatic Channel Assignment			●		
	Transmit Power Control	Adjust Transmit Power on dBm				
	Band Steering		●			-
	Load Balance			●		
	Wireless Schedule Reboot Schedule			●		
Management	LED ON/OFF Control			●		
	Web-Based Management			●		
	Telnet			●		
	System Logging	Local/Remote Syslog				
	Email Alerts			●		
Hardware	Power Supply	PoE or external 12VDC/2.5A power supply	PoE or external 12VDC/1.5A power supply		PoE or external 12VDC/1A power supply	IEEE 802.3af PoE
	Physical Security Lock	Kensington Lock Slot				
	Button	Fit/Fat Switch, Reset Button				
	Watch Dog			●		
	Certification	CE, FCC, RoHS				
	Mounting	Ceiling/Wall mounting (Kits included)				Pole/Wall Mounting (Kits included)
	Dimensions (W x D x H)	8.7 x 7.6 x 1.4 in. (220.5 x 193.5 x 36.5 mm)	7.1 × 7.1 × 1.9 in. (180 × 180 × 47.5 mm)			8.2 × 3.7 × 1.7 in. (209 × 95 × 42.6 mm)
	System Requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8, Windows 10				
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F), Storage Temperature: -40°C~70°C (-40°F~158°F), Operating Humidity: 10%~90% non-condensing, Storage Humidity: 5%~90% non-condensing				Operating Temperature: -30°C~65°C (-22°F~149°F), Storage Temperature: -40°C~70°C (-40°F~158°F), Operating Humidity: 10%~90% non-condensing, Storage Humidity: 5%~90% non-condensing

Pharos Wireless Broadband Solution

	300Mbps Wireless N					
	Base Station		CPE			
Model	WBS510	WBS210	CPE510	CPE210	CPE520	CPE220
Description	5GHz 300Mbps Outdoor BaseStation	2.4GHz 300Mbps Outdoor BaseStation	5GHz 300Mbps 13dBi Outdoor CPE	2.4GHz 300Mbps 9dBi Outdoor CPE	E5GHz 300Mbps 16dBi Outdoor CPE	2.4GHz 300Mbps 12dBi Outdoor CPE
Processor Specs	Atheros MIPS 74Kc, 560MHz					
Memory Information	64MB DDR2, 8MB Flash (Industrial-grade)					
Compatibility	802.11a/n	802.11b/g/n	802.11a/n	802.11b/g/n	802.11a/n	802.11b/g/n
Fruquency	5.15~5.85GHz	2.4~2.483GHz	5.15~5.85GHz	2.4~2.483GHz	5.15~5.85GHz	2.4~2.483GHz
Antenna	-	-	13dBi	9dBi	16dBi	12dBi
External Antenna Interface	2 RP-SMA connectors for MIMO antenna		-			
Transmission Power	27dBm	23dBm	27dBm	27dBm	30dBm	
Weatherproof Enclosure	●					
ESD Protection	15KV					
Lightning Protection	6KV					
MIMO	●					
Dual Ethernnet Ports	●		-		●	
Grounding Protection Terminal	●					
Power Supply Method	24V Passive PoE Adapter					
Operation Modes	AP / Client / Bridge / Repeater / AP Client Router Mode (WISP Client) / AP Router					
Advanced Functions	MAXtream TDMA Technology (Time Division Multiple Access)					
Remote Management	Central Network Management Applications; Web-based GUI management; SNMP v2c					
Utilities	Spectrum Analyzer; Wireless Statistics; Antenna Adjustment; Distance Adjustment; Ping Watch Dog; Throughput Monitor; Wireless Speed Monitor					
Security	WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (AES/TKIP)					
Certifications	CE, FCC, RoHS, IP65		CE, FCC, RoHS, IPX5			
Dimensions (W × D × H)	7.8 × 3.0 × 1.6 in. (198 × 75 × 40 mm)		8.8 × 3.1 × 2.4 in. (224.3 × 79 × 60.3 mm)		10.9 × 3.1 × 2.4 in. (275.8 × 79 × 60.4 mm)	
Environment	Operating Temperature: -30°C~70°C (-22°F~158°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing					
Package Contents	Outdoor CPE/BaseStation, 24V/0.6A Passive PoE Adapter, AC Power Cord, Pole Mounting Straps, Installation Guide					

PHAROS≡ series Outdoor APs

Overview

PHAROS≡ is TP-Link's next generation product series dedicated to high performance solutions for outdoor wireless networking applications. It includes a variety of CPE and Basestation devices, carrier class antennas, and a centralized management application, which are flexible and ideal for point-to-point, point-to-multipoint and outdoor Wi-Fi coverage applications. Professional performance, coupled with user-friendly design, makes TP-Link's Pharos series an ideal choice for both businesses and home users.

5/2.4GHz 300Mbps 13/9dBi Outdoor CPE
CPE510/CPE210

- Selectable bandwidth of 5/10/20/40MHz
- Adjustable transmission power from 0 to23dBm/200mW, 27dBm/500mW
- Built-in 13/9dBi 2x2 dual-polarized directional MIMO antenna
- 1 10/100Mbps Ethernet Port for passive PoE input

5/2.4GHz 300Mbps 16/12dBi Outdoor CPE
CPE520/CPE220

- Selectable bandwidth of 5/10/20/40MHz
- Adjustable transmission power from 0 to 27dBm/500mW, 30dBm/1000mW
- Built-in 16/12dBi 2x2 dual-polarized directional MIMO antenna
- 1 10/100Mbps Ethernet Port for passive PoE input and 1 10/100Mbps Ethernet Port for extended application

5/2.4GHz 300Mbps Outdoor BaseStation
WBS510/ WBS210

- Selectable bandwidth of 5/10/20/40MHz
- Adjustable transmission power from 0 to 27dBm/500mW
- 2 RP-SMA connectors for external MIMO antenna
- 1 10/100Mbps Ethernet Port for passive PoE input and 1 10/100Mbps Ethernet Port for extended application

Features

Pharos MAXtream — TP-Link's TDMA Technology

- Eliminates hidden node collisions & improves channel efficiency
- Lower latency, higher throughput, larger network capacity & more stability

PharOS — Web-based management platform

- Optimized for outdoor applications with high performance
- User-friendly interface
- Versatile configurations for professionals
- Powerful system tools integrated

Pharos Control — Centralized Network Management Application

- Device discovery & monitoring & configuration
- Firmware upgrade & management
- Scheduled tasks for operations & maintenance
- Event notification via E-mail

Outdoor AP

Antennas and Accessories

Outdoor AP

Overview

TP-Link's Outdoor Access Points are dedicated to WISP CPE solution and long distance wireless network solutions. They integrate the functions of a wireless access point, WISP Client, high gain antenna and weatherproof enclosure. They feature high gain antenna, high output power and high RX sensitivity that can significantly extend the transmission range to deliver a more stable wireless connection.

2.4GHz 150Mbps Outdoor Wireless Access Point

TL-WA7210N

- Wireless speed up to 150Mbps
- 12dBi dual-polarized high gain antenna
- Up to 500mw power for longer distance transmission
- Provides an external RP-SMA connector for higher gain antenna upgrade
- Supports Passive Power over Ethernet capability for flexible performance

Features

- Dedicated Power Amplifier
- Low Noise Amplifier
- Weatherproof Enclosure
- 4KV Lightning Protection
- 15KV ESD protection
- Antenna Alignment
- Distance Setting
- Ping Watch Dog
- Wireless × Speed Test

Model	TL-WA7210N
Description	2.4GHz 150Mbps Outdoor Wireless Access Point
Processor Specs	Atheros MIPS 24Kc, 400 MHz
Memory Information	32MB DDR1, 4MB Flash
Compatibility	802.11b/g/n
Antenna	12dBi
Antenna Beamwidth	Horizontal: 60° Vertical: 30°
Transmission Power	27dBm
Ethernet Ports	1 10/100Mbps Ethernet Port
External Antenna Interface	1 RP-SMA Connector
Grounding Protection Terminal	●
Passive Supply Method	12V Power Adapter + Passive PoE Injector
Weather Proof Enclosure	●
ESD Protection	15KV
Lightning Protection	4KV
Operation Modes	AP / Client / Bridge / Repeater/ AP Router / AP Client Router Mode (WISP Client)
Utilities	Antenna Adjustment; Distance Adjustment Ping Watch Dog; Throughput Monitor Wireless Speed Monitor
Security	WEP, WPA/WPA2, WPA-PSK/WPA2-PSK(AES/TKIP)
Certifications	CE, FCC, RoHS
Dimensions (W × D × H)	10.4 x 4.7 x 3.2 in. (265 x 120 x 83 mm)
Environment	Operating Temperature: -30°C~70°C (-22°F~158°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing
Package Contents	Outdoor Access Point 12V/1A DC Power Adapter Passive PoE Injector Pole Mounting Kit CD, Qiuck Installation Guide, Ethernet Cable

Antennas

Product Picture				
Model	TL-ANT2409A	TL-ANT2414A	TL-ANT2412D /TL-ANT2415D	TL-ANT2424B
Frequency	2.4GHz	2.4GHz	2.4GHz	2.4GHz
Gain	9dBi	14dBi	12dBi/15dBi	24dBi
Type	Directional	Directional	Omni	Directional
VSWR (MAX.)	1.92:1	1.92:1	1.92:1	1.5:1
HPBW/H (°)	60	30	360	14
HPBW/V (°)	76	30	12/9	10
Polarization	Linear;Vertical	Linear;Vertical	Linear;Vertical	Linear;Vertical
Connector Type	RP-SMA Connector (Female)	RP-SMA Connector (Female)	N Female (Jack)	N Female (Jack)
Cable Material	CFD-200	CFD-200	N/A	N/A
Cabe Length	100cm	100cm	N/A	30cm
Mounting	Pole Mount Wall Mount	Pole Mount Wall Mount	Pole Mount Wall Mount	Pole Mount
Application	Outdoor	Outdoor	Outdoor	Outdoor
Optional Accessory	TL-ANT24EC3S TL-ANT24EC5S TL-ANT200PT	TL-ANT24EC3S TL-ANT24EC5S TL-ANT200PT	TL-ANT24PT3	TL-ANT24PT3

Antenna Accessories

Product Picture				
Model	TL-ANT24EC3S	TL-ANT24EC5S	TL-ANT24PT3	TL-ANT200PT
Product Description	Extension Cable	Extension Cable	Pigtail Cable	Pigtail Cable
Frequency	2.4GHz	2.4GHz	2.4GHz	2.4GHz & 5GHz
Connector Type	RP-SMA Male to Female	RP-SMA Male to Female	RP-SMA Female to N Male	RP-SMA Male to N Male
Cable Material	CFD-200	CFD-200	CFD-200	LMR-200
Cable Length	3m	5m	3m	0.5m

MIMO Antennas

Product Picture				
Model	TL-ANT2424MD	TL-ANT5830MD	TL-ANT2415MS	TL-ANT5819MS	TL-ANT2410MO
Description	2.4GHz 24dBi 2 x 2 MIMO Dish Antenna	5GHz 30dBi 2 × 2 MIMO Dish Antenna	2.4GHz 15dBi 2 × 2 MIMO Sector Antenna	5GHz 19dBi 2 × 2 MIMO Sector Antenna	2.4GHz 10dBi 2x2 MIMO Omni Antenna
Frequency	2.3~2.7GHz	5.0~6.0GHz	2.3~2.7GHz	5.0~6.0GHz	2.3~2.7GHz
Gain	24dBi	30dBi	15dBi	19dBi	10dBi
VSWR	≤1.8	≤1.8	≤1.8	≤1.8	≤1.8
Polarization	Vertical & Horizontal				
HPOL Beamwidth (3dB)	6°	6°	120°(6dB) & 90°	120°(6dB) & 90°	360°
VPOL Beamwidth (3dB)	6°	6°	120°(6dB) & 90°	120°(6dB) & 90°	360°
Elevation Beamwidth (3dB)	6°	6°	8°	4°	12°
Antenna Interfaces	2 RP-SMA connectors				
Dimensions	600 mm diameter		700 × 150 × 100 mm		800 × 72 × 72 mm
Installation	Pole Mounting Kits				

Switches

Power over Ethernet

Accessories

Auranet Business Wi-Fi Solution

Pharos Wireless Broadband Solution

Outdoor AP

Antennas and Accessories

Routers

Solutions for Business

VPN Routers

SafeStream Gigabit VPN Routers

Overview

Keeping a network safe from attacks and unauthorized access is key to the success of any business, now more than ever before. TP-Link's SafeStream Series VPN Routers provide an ideal VPN solution to protect your network against attacks and unauthorized access. Among them, TL-ER6120 and TL-ER6020 are the ideal choices for small and medium-sized businesses, hotels and other communities with a high volume of users demanding an efficient and highly secure VPN network. TL-ER604W provides exceptional wireless performance with wireless speeds of up to 300Mbps, making it an ideal choice for remote offices or small businesses with a medium volume of users demanding a flexible and highly secure VPN network.

SafeStream Gigabit Dual-WAN VPN Router
TL-ER6120
- 2 Gigabit WAN ports, 2 Gigabit LAN ports, 1 Gigabit LAN/DMZ port, 1 console port
- Supports up to 100 IPsec, 32 PPTP and 32 L2TP VPN Tunnels
- Supports IM/P2P Blocking for various applications
- Professional 4KV lightning protection keeps your investments as safe as possible

SafeStream Gigabit Dual-WAN VPN Router
TL-ER6020
- 2 Gigabit WAN ports, 2 Gigabit LAN ports, 1 Gigabit LAN/DMZ port, 1 console port
- Supports up to 50 IPsec, 16 PPTP and 16 L2TP VPN Tunnels
- Supports IM/P2P Blocking for various applications
- Professional 4KV lightning protection keeps your investments as safe as possible

SafeStream Wireless N Gigabit Broadband VPN Router
TL-ER604W
- 1 Gigabit WAN port, 3 Gigabit LAN ports, 1 Gigabit WAN/LAN port
- IEEE 802.11b/g/n, 2 detachable 5 dBi antenna, 300Mbps wireless speed
- Supports up to 30 IPsec, 16 PPTP and 16 L2TP VPN Tunnels
- Supports IM/P2P Blocking for various applications
- Professional 4KV lightning protection keeps your investments as safe as possible

Features

VPN Features
- VPN Protocol: IPsec, PPTP, L2TP, L2TP over IPSec
- DES, 3DES, AES128, AES192, AES256 Encryption
- MD5, SHA1 Authentication

Security
- IM/P2P Application Blocking
- URL/Keywords Filtering
- Web Content Filtering (Java, ActiveX, Cookies)
- IP-MAC Binding DoS/DDoS Defense

Networking
- Static Routing
- RIP V1/V2
- Intelligent Load Balance
- PPPoE Server, E-Bulletin
- Port VLAN, Port Mirroring SNMP V1/V2

Bandwidth Management
- IP-based Bandwidth Control
- Guarantee/Limited Bandwidth Management
- Port-based Rate Limit
- IP-based Session Limit

Wireless Features*
- IEEE 802.11 b/g/n
- 2 Detachable 5dBi antennas
- WEP, WPA/WPA2, WPA-PSK/WPA2-PSK Encryption
- WDS, Multi-SSID, Guest Network

* Only for TL-ER604W.

		TL-ER6120	TL-ER6020	TL-ER604W
	Product Picture			
	Model	TL-ER6120	TL-ER6020	TL-ER604W
	Product Description	Gigabit Dual-WAN VPN Router	Gigabit Dual-WAN VPN Router	Wireless N Gigabit Broadband VPN Router
Hardware	Antenna	-	-	2 Detachable 5dBi Antennas
	Interface	2 Gigabit WAN Ports, 2 Gigabit LAN Ports 1 Gigabit LAN/DMZ Port, 1 Console Port	2 Gigabit LAN Ports, 2 Gigabit LAN Ports 1 Gigabit LAN/DMZ Port, 1 Console Port	1 Gigabit WAN port, 3 Gigabit LAN ports, 1 Gigabit WAN/LAN port
	Power Supply	100-240VAC, 50/60Hz		
	Certifications	CE, FCC		
	Dimensions (W x D x H)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)	11.6 × 7.1 × 1.7 in. (294 x 180 x 44 mm)	8.2 × 4.9 × 1.0 in. (209 x 126 x 26 mm)
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing		
Performance	Concurrent Sessions	60,000	30,000	10,000
	NAT Throughput	350Mbps	180Mbps	160Mbps
	IPsec VPN Throughput	130Mbps	80Mbps	38Mbps
	WAN Connection Type	Dynamic/Static IP, PPPoE, PPTP, L2TP, Dual Access, BigPond		Dynamic/Static IP, PPPoE, PPTP, L2TP, Dual Access, BigPond
	Rate Limit	•		
	Port Mirror	•		
	Port Forwarding	Virtual Server, Port Triggering, DMZ		
	UPnP	•		
	Port VLAN	•		
	SNMP	V1/V2c		
Wireless	Standard	-	-	IEEE 802.11 b/g/n
	Encryption	-	-	WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
	Multi-SSID	-	-	•
	Guest Network	-	-	•
	WDS	-	-	•
IPsec VPN	IPsec VPN Tunnel	100	50	30
	Authentication	MD5/SHA1		
	Encryption	DES, 3DES, AES128, AES192, AES256		
	IPsec NAT Traversal (NAT-T)	•		
	Dead Peer Detection (DPD)	•		
	Perfect Forward Secrecy (PFS)	DH1/DH2/DH5		
PPTP VPN	PPTP VPN Tunnels	32	16	16
	PPTP VPN Server	•		
	PPTP VPN Client	•		
	PPTP With MPPE Encryption	•		
L2TP VPN	L2TP VPN Tunnels	32	16	16
	L2TP VPN Server	•		
	L2TP VPN Client	•		
	L2TP Over IPsec	•		
Security	Access Control List	•		
	URL/Keyword Filter	•		
	Domain Filter	•		
	DoS Defense	•		
	ARP Inspection	•		
	MAC Filter	•		
Load Balance	Line Backup	•		
	Online Detection	•		
	Smart Load Balance	•		
	Policy Routing	•		
	Protocol Binding	•		
NAT	One-to-One NAT	•		
	Multiple-nets NAT	•		
Routing	Static Routing	•		
	Dynamic Routing	RIP V1/V2		
QoS	Guarantee Max & Min Bandwidth	•		
	Bandwidth Control By IP/Port	•		
	Session Limit By IP	•		
IM/P2P Blocking	IM/P2P Blocking	•		
	Proxy/Protocol Blocking	•		
Applications	PPPoE Server	•		
	E-Bulletin	•		

VPN Routers

SafeStream Gigabit VPN Routers

Overview

Keeping a network safe from attacks and unauthorized access is the key to success of any business, now more than ever before. TP-Link's SafeStream Series VPN Routers provide an ideal secure VPN solution to protect your network against attacks and unauthorized access. Among them, TL-R600VPN is the ideal choice for chain stores/remote offices with small volumes of users demanding an efficient and highly secure VPN network.

SafeStream Gigabit Broadband VPN Router

TL-R600VPN

- 1 Gigabit WAN port, 4 Gigabit LAN ports
- Supports up to 20 IPsec and 16 PPTP VPN Tunnels
- Professional 4KV lightning protection keeps your investments as safe as possible

Features

- VPN Protocol: IPsec, PPTP
- VPN Pass-through
- DHCP Client/Server
- Static Routing
- IP-based Bandwidth Control
- IP/MAC/Domain name filtering
- Attack Prevention
- SNMP V1/V2c

	Product Picture	
	Model	TL-R600VPN
	Product Description	Gigabit Broadband VPN Router
Hardware	Interface	1 Gigabit WAN Port 4 Gigabit LAN Ports
	VPN Encryption Accelerator	●
	Power Supply	100-240VAC, 50/60Hz
	Certifications	CE, FCC
	Dimensions (W × D × H)	8.2 × 4.9 × 1.0 in. (209 × 126 × 26 mm)
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing
Performance	Concurrent Sessions	10,000
	NAT Throughput	120Mbps
	IPsec VPN Throughput	20Mbps
Network	VPN Routers	Dynamic/Static IP, PPPoE, PPTP, L2TP, Dual Access, BigPond
	Port Forwarding	Virtual Server, Port Triggering, DMZ
	UPnP	●
	SNMP	V1/V2c
IPsec VPN	IPsec VPN Tunnel	20
	Authentication	MD5/SHA1
	Encryption	DES, 3DES, AES128, AES192, AES256
	IPsec NAT Traversal (NAT-T)	●
	Dead Peer Detection (DPD)	●
	Perfect Forward Secrecy (PFS)	DH1/DH2/DH5
PPTP VPN	PPTP VPN Tunnels	16
	PPTP VPN Server	●
	PPTP VPN Client	-
	PPTP With MPPE Encryption	●
Security	Access Control List	●
	Domain Filter	●
	DoS Defense	●
	ARP Inspection	●
	MAC Filter	●
	SPI Firewall	●
Routing	Static Routing	●
QoS	Guarantee Max & Min Bandwidth	●
	Bandwidth Control By IP/Port	●

Load Balance Broadband Routers

Gigabit Load Balance Broadband Router

Overview

A gigabit load balance broadband router from TP-Link, TL-ER5120 possesses excellent data processing capabilities and multiple powerful functions including Load Balance, Access Control, IM/P2P Blocking, DoS Defense, Bandwidth Control, Session Limit and PPPoE Server, which meet the needs of small and medium enterprises, hotels and communities with large volumes of users.

Gigabit Load Balance Broadband Router

TL-ER5120

- 1 fixed Gigabit WAN port, 1 10/100/1000Mbps LAN/DMZ port and 3 freely interchangeable Gigabit WAN/LAN ports
- Load Balancing, automatically selects the best route according to the load
- Integrated PPPoE Server to provide ISP Services
- Professional 4KV lightning protection keeps your investments as safe as possible

Features

Networking

- Static Routing
- RIP V1/V2
- Intelligent Load Balance
- PPPoE Server, E-Bulletin
- Port VLAN, Port Mirror
- SNMP V1/V2c

Security

- IM/P2P Application Blocking
- URL/Keywords Filtering
- Web Content Filtering (Java, ActiveX, Cookies)
- IP-MAC Binding
- DoS/DDoS Defense

Bandwidth Management

- IP-based Bandwidth Control
- Guarantee/Limited Bandwidth Management
- Port-based Rate Limit
- IP-based Session Limit

	Product Picture	
	Model	TL-ER5120
	Product Description	Gigabit Load Balance Broadband Router
Hardware	Interface	1 Gigabit WAN Port, 3 Gigabit WAN/LAN Ports, 1 Gigabit LAN/DMZ Port, 1 Console Port
	Power Supply	100-240VAC, 50/60Hz
	Certifications	CE, FCC
	Dimensions (W × D × H)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing
Performance	Concurrent Sessions	120,000
	NAT Throughput	350Mbps
Network	WAN Connection Type	Dynamic/Static IP, PPPoE, PPTP, L2TP, Dual Access, BigPond
	Rate Limit	●
	Port Mirroring	●
	Port Forwarding	Virtual Server, DMZ, Port Triggering
	UPnP	●
	Port VLAN	●
	SNMP	V1/V2c
Security	Access Control	●
	URL/Keyword Filter	●
	Domain Filter	●
	DoS Defense	●
	ARP Inspection	●
	MAC Filter	●
Load Balance	Line Backup	●
	Online Detection	●
	Smart Load Balance	●
	Policy Routing	●
	Protocol Binding	●
NAT	One-to-One NAT	●
	Multiple-nets NAT	●
Routing	Static Routing	●
	Dynamic Routing	RIP V1/V2
QoS	Guarantee Max & Min Bandwidth	●
	Bandwidth Control By IP/Port	●
	Session Limit By IP	●
IM/P2P Blocking	IM Blocking	●
	P2P Blocking	●
	Proxy Blocking	●
	Protocol Blocking	●
Applications	PPPoE Server	●
	E-Bulletin	●

Load Balance Broadband Routers

Fast Ethernet Load Balance Broadband Routers

Overview

TP-Link's load balance broadband routers have been designed with small offices and Internet cafes in mind. With built-in firewall features and powerful security policies, these routers offer extensive protection against malicious attacks. On top of that, 4KV lightning protection is included as standard to keep your devices safe from the worst Mother Nature can throw at them.

Load Balance Broadband Router
TL-R480T+

- 1 fixed 10/100Mbps WAN port, 1 fixed 10/100Mbps LAN port and 3 freely interchangeable 10/100Mbps WAN/LAN ports
- Load Balancing, automatically selects the best route according to the load
- Professional 4KV lightning protection keeps your investments as safe as possible

Load Balance Broadband Router
TL-R470T+

- 1 fixed 10/100Mbps WAN port, 1 fixed 10/100Mbps LAN port and 3 freely interchangeable 10/100Mbps WAN/LAN ports
- Load Balancing, automatically selects the best route according to the load
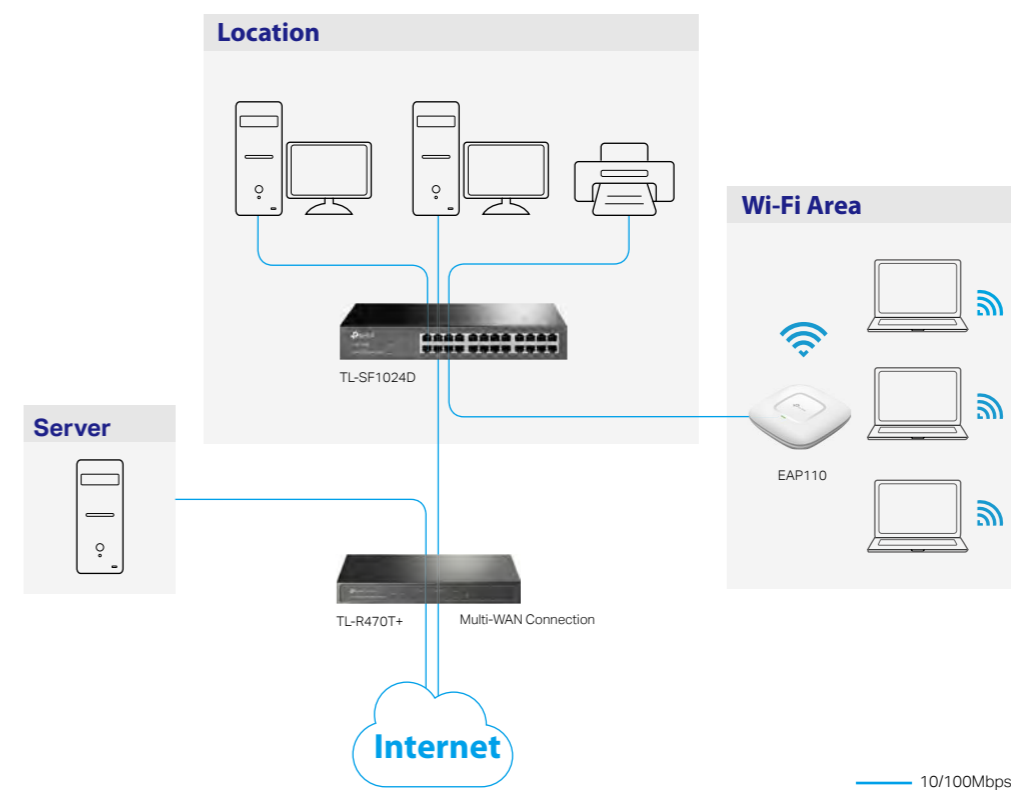- Professional 4KV lightning protection keeps your investments as safe as possible

Features

- Smart Load Balancing Policies
- IP-based Bandwidth Control
- IP-based Session Limit
- Port-based Rate Limit
- IP/MAC Binding
- Domain Name Filtering
- IP/MAC Filtering
- Virtual Server, Port Triggering, and DMZ Host
- DDNS, UPnP, Static Routing
- Web Management
- SNMP V1/V2C

		TL-R470T+	TL-R480T+
Product Picture			
Model		TL-R470T+	TL-R480T+
Product Description		Load Balance Broadband Router	Load Balance Broadband Router
Hardware	Interface	1 10/100Mbps WAN Port, 3 10/100Mbps WAN/LAN Ports, 1 10/100Mbps LAN Port	
	Console Port	-	●
	Auto Negotiation / Auto MDI/MDIX	●	
	Power Supply	100-240VAC, 50/60Hz	
	Certifications	CE, FCC	
	Dimensions (W x D x H)	8.2 × 4.9 × 1.0 in. (209 × 126 × 26 mm)	11.6 × 7.1 × 1.7 in. (294 ×180 × 44 mm)
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing	
Performance	Cocurrent Sessions	10,000	30,000
	NAT Throughput	100Mbps	
Network	WAN Connection Type	PPPoE, Dynamic, Static IP, PPTP, L2TP, BigPond Cable	
	Port Forwarding	Virtual server, Port Triggering, DMZ host	
	UPnP	●	
	Rate Limit	●	
	Port VLAN	●	
	Port Mirroring	●	
	SNMP	V1/V2c	
Security	Access Control	●	
	URL/Keyword Filter	●	
	Domain Filter	●	
	DoS Defense	●	
	ARP Inspection	●	
	MAC Filter	●	
Load Balance	Line Backup	●	
	Online Detection	●	
	Smart Load Balance	●	
	Policy Routing	●	
	Protocol Binding	●	
NAT	One-to-One NAT	-	●
	Multiple-nets NAT	-	●
Routing	Static Routing	●	
	Dynamic Routing	-	
QoS	Guarantee Max & Min Bandwidth	●	
	Bandwidth Control By IP/Port	●	
	Session Limit By IP	●	
IM/P2P Blocking	IM Blocking	-	●
	P2P Blocking	-	●
	Proxy Blocking	-	●
	Protocol Blocking	-	●
Applications	PPPoE Server	●	
	E-Bulletin	●	

Overview

TP-Link offers a comprehensive suite of end-to-end products that fit the specific needs of small and home offices. From unmanaged switches and wireless access points to Load Balance Routers and Print Servers, TP-Link provides cost-effective solutions for an array of small and home office applications.

Location

Wi-Fi Area

TL-SF1024D

EAP110

Server

TL-R470T+   Multi-WAN Connection

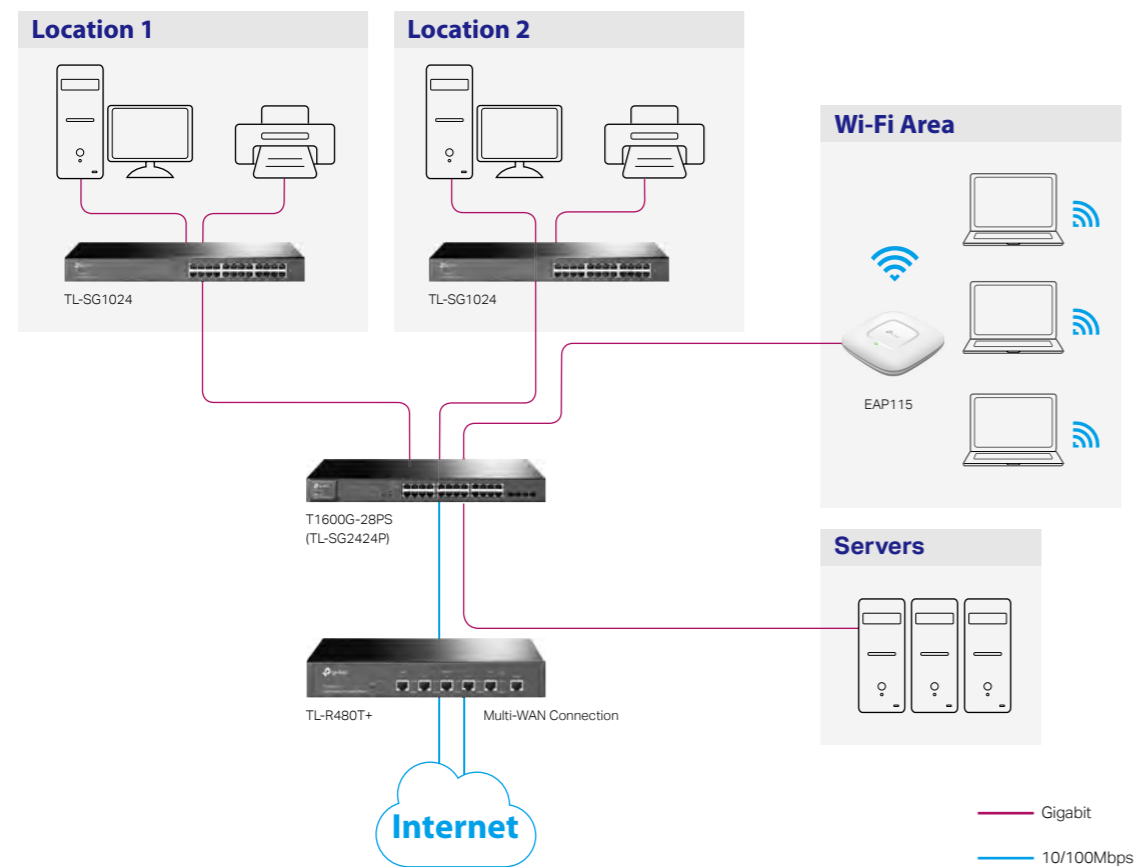**Internet**

—— 10/100Mbps

Features and Benefits

- Equipped with three dynamic WAN/LAN interchangeable ports, TL-R470T+ provides network administrators with greater control over their bandwidth with smart load balancing.
- Complete with NAT firewall, TL-R470T+ can protect your network from various types of intrusions and attacks.
- TL-SF1024D provides powerful data transmission at a low cost.
- EAP110 provides a flexible, easy-to-deploy, manageable and secure wireless network solution.
- Green technology makes your network more energy-efficient and eco-friendly.
- Web GUI makes the network easy to configure and maintain.

Switches | Power over Ethernet | Accessories | Auranet Business Wi-Fi Solution | Pharos Wireless Broadband Solution | Outdoor AP | Antennas and Accessories | Routers | Solutions for Business

Network Solution
for Small Business

Overview

In response to the networking needs of small business and in the interest of helping them increase business productivity and efficiency, TP-Link's Load Balance Broadband Router and Smart Switches make up a small business network solution that delivers complete and intelligent services, enhancing information system resiliency and reducing operation and maintenance costs.
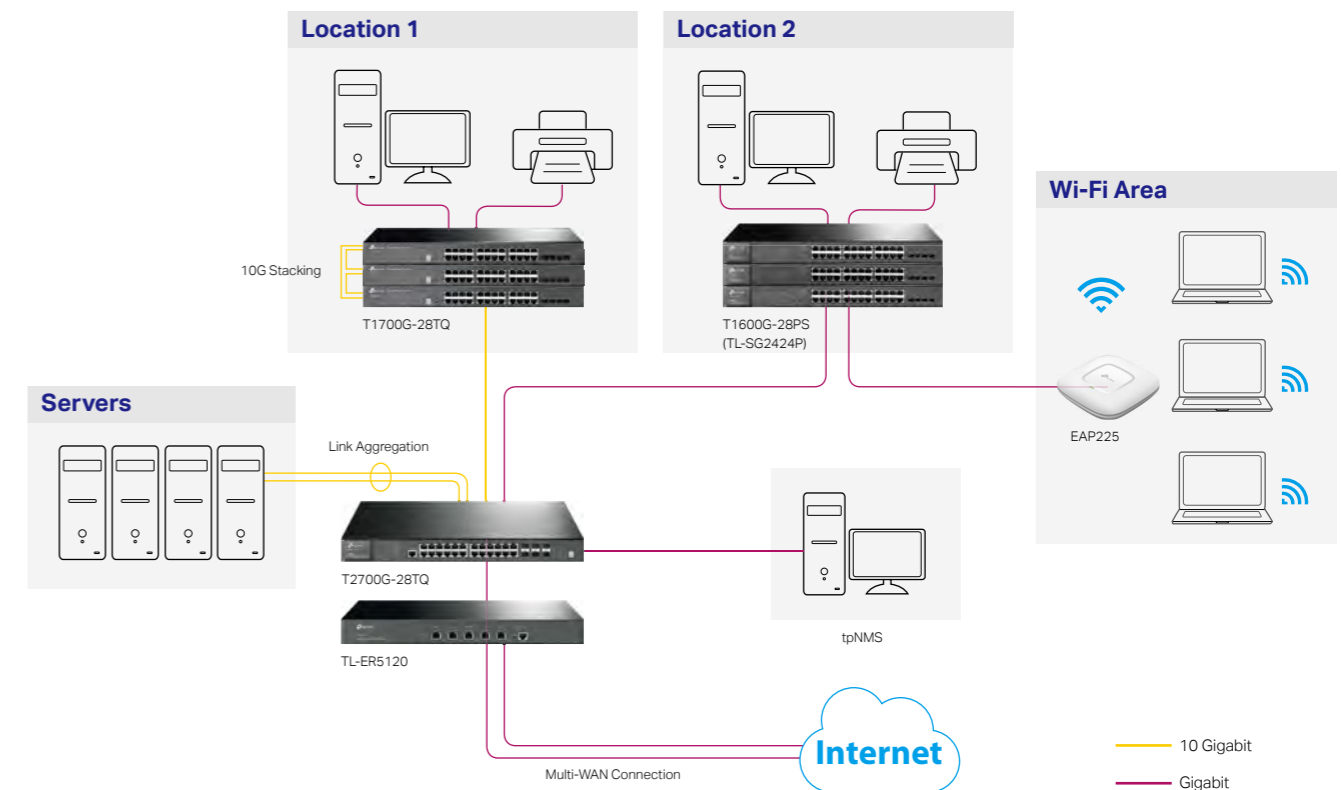
Location 1

TL-SG1024

Location 2

TL-SG1024

Wi-Fi Area

EAP115

T1600G-28PS
(TL-SG2424P)

Servers

TL-R480T+   Multi-WAN Connection

Internet

—— Gigabit
—— 10/100Mbps

Features and Benefits

- Equipped with three dynamic WAN/LAN interchangeable ports, TL-R480T+ provides network administrators with greater control over their bandwidth with smart load balancing.
- Complete with NAT firewall and professional lightening protection, TL-R480T+ keeps your network safe and stable.
- EAP115 provides a flexible, easy-to-deploy, manageable and secure wireless network solution for small businesses.
- TP-Link's Smart switches provide comprehensive security features which include ACL and Port security.
- All TP-Link products provide comprehensive intelligent management tools, allowing network administrators to choose from a variety of management interfaces such as Web GUI, which make the network easy to configure and maintain.

Network Solution
for Medium Business

Overview

For a network that scales with a growing medium business, TP-Link's medium business network solutions are perfect in terms of network design and management efficiency. Using an L2+ Managed switch with 10G uplink ports at the core and access layer of the business network, TP-Link products ensure end-to-end performance covering service prioritization for voice streaming and mission-critical applications, protected by network security from the edge to the core.

Location 1

10G Stacking

T1700G-28TQ

Location 2

T1600G-28PS
(TL-SG2424P)

Wi-Fi Area

EAP225

Servers

Link Aggregation

T2700G-28TQ

tpNMS

TL-ER5120

Multi-WAN Connection   **Internet**
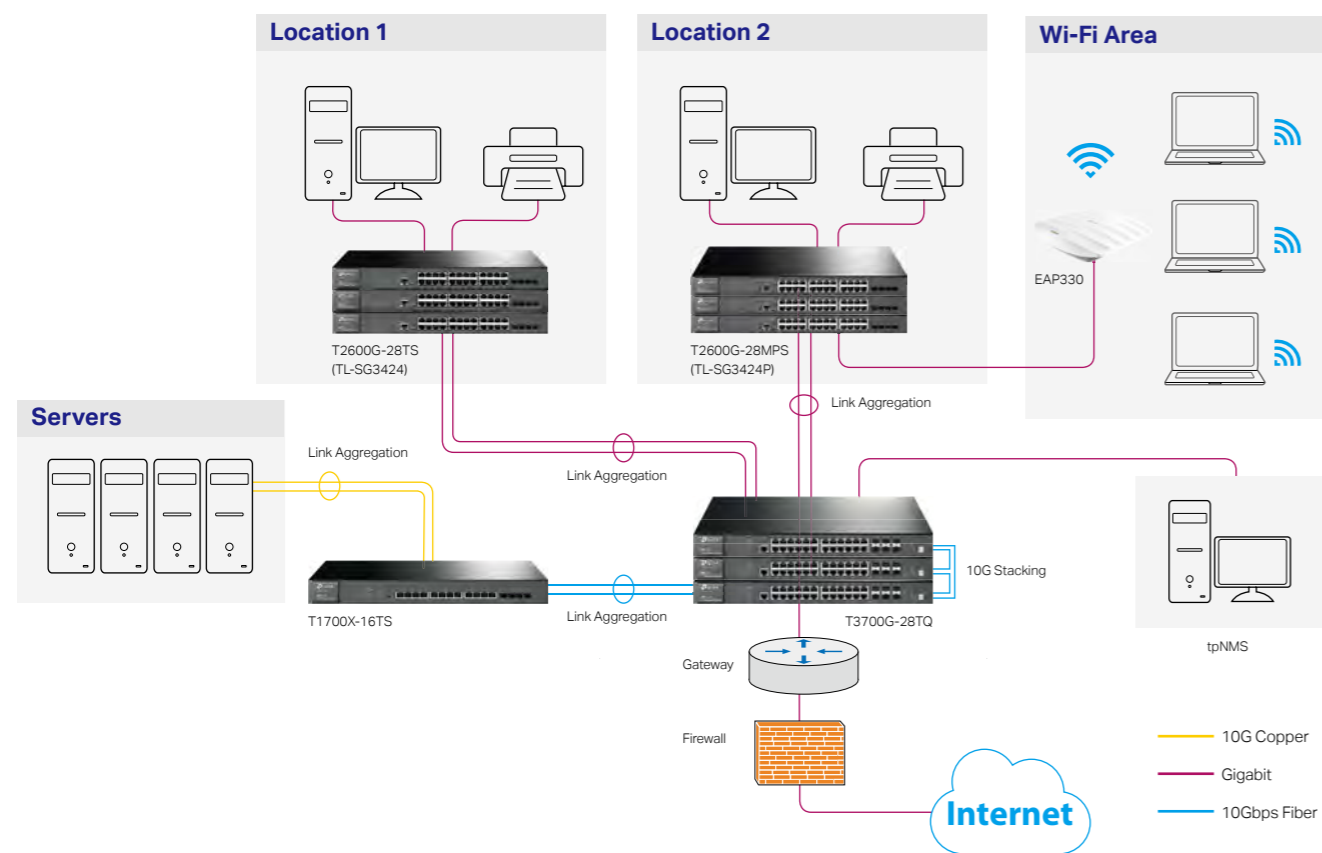
—— 10 Gigabit
—— Gigabit

Features and Benefits

- Equipped with three dynamic WAN/LAN interchangeable ports, TL-ER5120 gives network administrators more control over bandwidth with smart load balancing
- Complete with abundant security features such as ARP inspection, DoS defense, URL/Keyword Domain Filter and Access Control, TL-ER5120 provides a safe environment for you network
- T2700G-28TQ supports up to 4 10G uplink ports which can be connected to 10G-capable servers and storage devices, delivering a 10X increase in network performance and business efficiency.
- T1700G-28TQ supports 4 dedicated 10G SFP+ slots for uplink and stacking, providing enhanced scalability, simple management and increased redundancy for high-density deployment.
- EAP225 provides a flexible, easy-to-deploy, manageable and secure wireless network solution for medium-sized businesses.
- All TP-Link products provide comprehensive intelligent management tools, allowing network administrators to choose from a variety of management interfaces such as Web GUI and CLI, which make the network easy to configure and maintain

Switches
Power over Ethernet
Accessories
Auranet Business
Wi-Fi Solution
Pharos Wireless
Broadband Solution
Outdoor AP
Antennas
and Accessories
Routers
Solutions
for Business

Network Solution
for Enterprise

Overview

For an enterprise network with higher requirements for resilience and robustness, TP-Link's L3/L2 Managed Gigabit switch makes up a perfect solution that builds a highly accessible, scalable, and robust network. TP-Link's L3 Managed switch T3700G-28TQ supports abundant Layer 3 routing protocols such as RIP and OSPF, which are critical in the creation of fully resilient scalable networks. With physical stacking and an optional redundant external power unit, T3700G-28TQ provides a robust network with efficient redundancy.

Features and Benefits

- Equipped with abundant Layer 3 routing protocols including RIP/OSPF/ECMP/VRRP, T3700G-28TQ is well suited to the building of a scalable network
- Complete with True Physical Stacking technology, T3700G-28TQ supports up to 8 units and 320Gbps backplane bandwidth for high scalability and efficient redundancy
- T3700G-28TQ supports up to 4 10 Gigabit Ethernet uplink ports, providing high-bandwidth applications for congestion relief and smooth data delivery
- T3700G-28TQ supports removable power unit and redundant power supply functionality which minimizes downtime
- TP-Link's L2 managed switches provide comprehensive security features, which include IEEE802.1X, IP + MAC + Port + VLAN binding, Port security and IP Source Guard
- T1700X-16TS supports 12 10GBase-T RJ45 ports and 4 dedicated SFP+ fiber slots, which can relieve congestion associated with bandwidth-intensive applications, and guarantee smooth data transmission
- All TP-Link products provide comprehensive intelligent management tools, allowing network administrators to choose from a variety of management interfaces such as Web GUI and CLI, which make the network easy to configure and maintain

Network Solution
for VPN Business

Overview

TP-Link provides cost-effective VPN solutions, ideal for companies with multiple branch offices or a large number of remote users requiring access to network resources from headquarters. In addition to providing VPN routers and L2 managed Switches, TP-Link is able to tailor a secure and reliable VPN solution based on your own business needs.
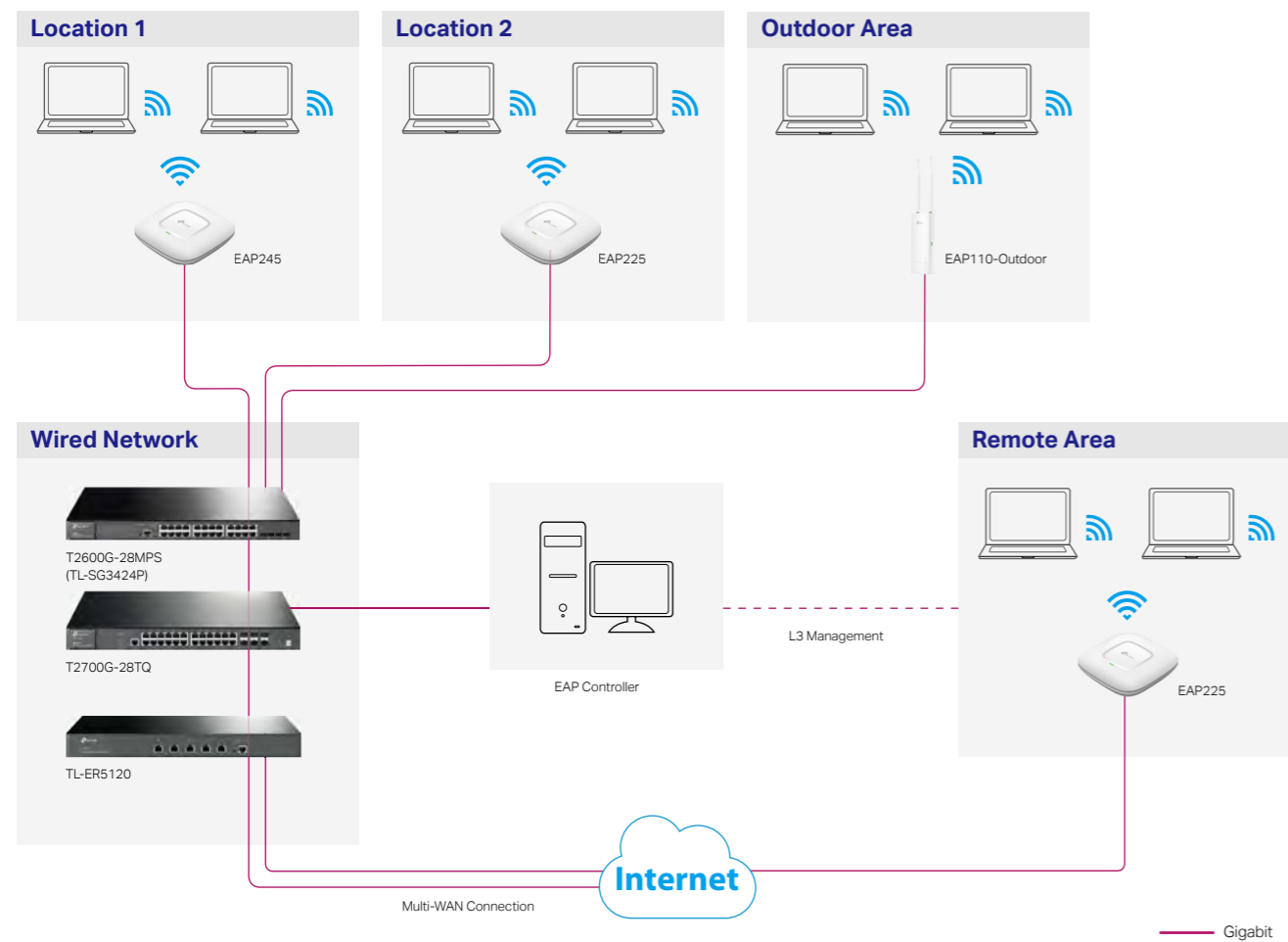

Features and Benefits

- TL-ER6120 supports multiple VPN protocols including IPsec/PPTP/L2TP, giving users more flexibility when establishing their VPN
- TL-ER6120 supports up to 100 IPsec VPN tunnels, and offers 130Mbps VPN throughput with a hardware-based VPN engine
- EAP245 provides a flexible, easy-to-deploy, manageable and secure wireless network solution for medium-sized businesses
- Complete with abundant security features such as IP + MAC + Port + VID binding, IP Source Guard, URL/Keyword Domain Filter and Access Control, TP-Link routers and switches guarantee a safe networking ecosystem
- All TP-Link products provide comprehensive intelligent management tools, allowing network administrators to choose from a variety of management interfaces such as Web GUI and CLI, which make the network easy to configure and maintain

Auranet Business Wi-Fi Solution
EAP Series

Overview

The TP-Link Auranet Business Wi-Fi Solution - EAP Series provides a flexible, easy-to-deploy, user-friendly and managed business-class wireless network solution. Centralized WLAN management is made simple with our free centralized management software – Auranet Controller. Auranet EAP solution features captive portal and advanced RF management, making them ideal for the demanding multi-user business environments of campuses, hotels, malls and offices.
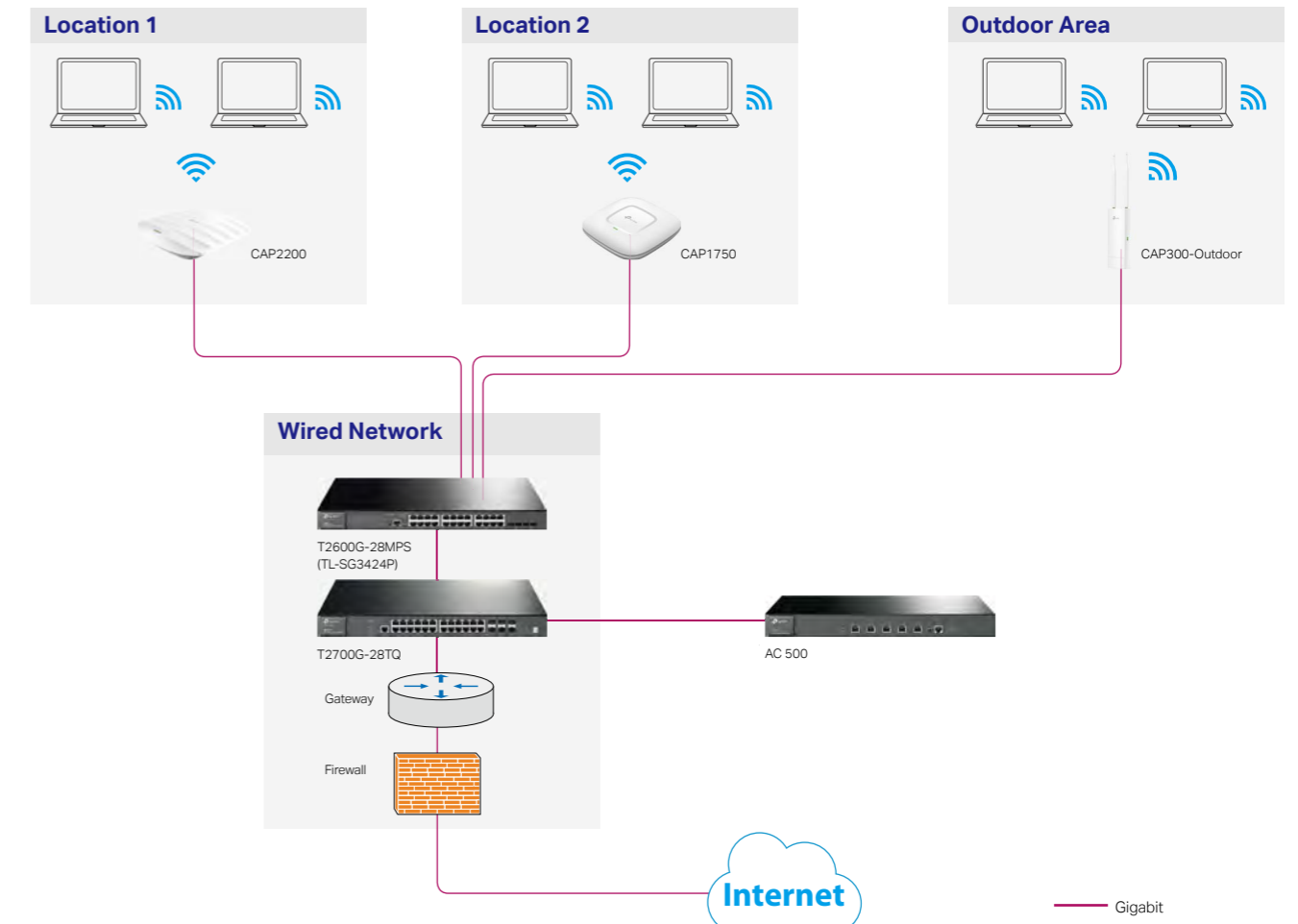

Location 1 — EAP245
Location 2 — EAP225
Outdoor Area — EAP110-Outdoor

Wired Network
T2600G-28MPS (TL-SG3424P)
T2700G-28TQ
TL-ER5120

EAP Controller
L3 Management

Remote Area — EAP225

Multi-WAN Connection
Internet
Gigabit

Features and Benefits

• Equipped with three dynamic WAN/LAN interchangeable ports, TL-ER5120 gives network administrators more control over bandwidth with smart load balancing
• T2700G-28TQ supports up to 4 10G uplink ports which can be connected to 10G-capable servers and storage devices, delivering a 10X increase in network performance and business efficiency.
• EAP225, EAP245 and EAP110-Outdoor provide a flexible, easy-to-deploy, manageable and secure wireless network solution for small and medium-sized businesses.
• Auranet Controller features Multi-Site Management and Layer 3 Management, allowing network administrators to configure and monitor networks in remote locations.
• All TP-LINK products provide comprehensive intelligent management tools, allowing network administrators to choose from a variety of management interfaces such as Web GUI and CLI, which make the network easy to configure and maintain

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Auranet Business Wi-Fi Solution
CAP Series

Overview

TP-Link's Auranet Business Wi-Fi Solution - CAP Series provides a scalable, manageable and secure business-class wireless network solution for devices including wireless controllers and access points. With captive portal and advanced RF management functions integrated in the Auranet Wireless Controller, Auranet CAP solution is ideal for small and medium-sized businesses that demand secure and reliable networks.
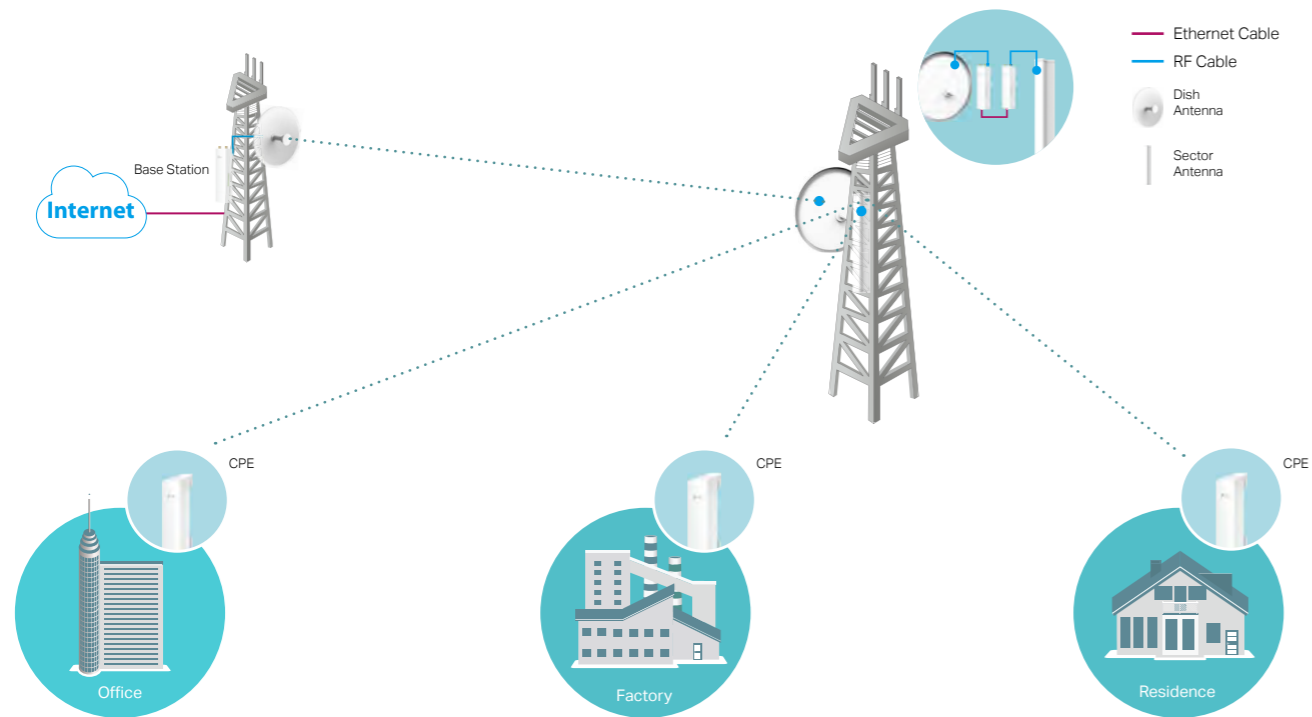

Location 1 — CAP2200
Location 2 — CAP1750
Outdoor Area — CAP300-Outdoor

Wired Network
T2600G-28MPS (TL-SG3424P)
T2700G-28TQ
Gateway
Firewall
AC 500

Internet
Gigabit

Features and Benefits

• T2700G-28TQ supports up to 4 10G uplink ports which can be connected to 10G-capable servers and storage devices, delivering a 10X increase in network performance and business efficiency.
• TP-Link's Smart switches provide comprehensive security features, which include IEEE802.1X, IP + MAC + Port + VLAN binding, Port security and IP Source Guard.
• CAP2200, CAP1750 and CAP300-Outdoor provide a flexible, easy-to-deploy, manageable and secure wireless network solution for small and medium-sized businesses.
• Auranet Wireless Controller AC500 supports a range of monitoring and management features, providing scalable and secure centralized management platform for small and medium-sized businesses..
• All TP-Link products provide comprehensive intelligent management tools, allowing network administrators to choose from a variety of management interfaces such as Web GUI and CLI, which make the network easy to configure and maintain.

Switches

Power over Ethernet

Accessories

Auranet Business Wi-Fi Solution

Pharos Wireless Broadband Solution

Outdoor AP

Antennas and Accessories

Routers

Solutions for Business

Pharos Wireless Broadband Solution

Overview

TP-Link's Pharos series are ideal for point-to-point and point-to-multipoint applications. Exceptional performance, coupled with user-friendly design, makes it an ideal choice for both businesses and home users.

Pharos Series

Product Picture	Base Stations		CPEs				MIMO Antennas				
Model	WBS510	WBS210	CPE510	CPE520	CPE210	CPE220	TL-ANT2424MD	TL-ANT5830MD	TL-ANT2415MS	TL-ANT5819MS	TL-ANT2410MO
Frequency (GHz)	5.15~5.85	2.4~2.483	5.15~5.85		2.4~2.483		2.3~2.7	5.0~6.0	2.3~2.7	5.0~6.0	2.3~2.7

Features and Benefits

- Point-to-point long-distance wireless data transmission of up to 50+ km
- Enterprise hardware design for stable and maximized performance
- PharOS – Web-based management system provides advanced configuration options
- MAXtream TDMA technology for guaranteed throughput as your network grows.
- Pharos Control – Centralized Management System for large-scale network management
- Supports AP Router, AP Client Router, AP, AP Client, Multi-Bridge and Repeater Operation modes