tp-link

Unmanaged Pro Switches Datasheet

Model: TL-SG105E/TL-SG108E

Overview

TP-Link's Unmanaged Pro Switches are ideal upgrade from unmanaged switches, designed for small office and home office networks. The configuration is largely simplified by the web-based user interface and management utility. Network administrators can effectively monitor traffic via Port Mirroring, Loop Prevention and Cable Diagnostics features. To optimize traffic on your business network, Unmanaged Pro Switches offer Port-based/802.1p/DSCP QoS to keep latency-sensitive traffic moving smoothly and jitter-free. Additionally, port-based, tag-based and MTU VLAN can improve security and meet more network segmentation requirements. Moreover, with its innovative energy-efficient technology, the Unmanaged Pro Switches can save up to 58% of power consumption, making it an eco-friendly solution for your business network.

Easy to Use

Connecting devices to Unmanaged Pro Switches is simple. Auto MDI/MDI-X crossover on all ports eliminate the need for crossover cables or uplink ports. Auto-negotiation on each port detects the link speed of a network device and intelligently adjusts settings for compatibility and optimal performance.

Durable Metal Casing

The interior components of Unmanaged Pro Switches are protected by high-quality metal casing to ensure a long product life. Having passed an array of stringent reliability tests, Unmanaged Pro Switches deliver switching performance you can depend on. Its compact size makes it ideal for deployment on desktops or work benches.

Additional Software Features

Unmanaged Pro Switches excel not only in simple plug-and-play networks but also in more demanding environments. Network monitoring enables users to observe traffic behavior. Port Mirroring, Loop Prevention and Cable Diagnostics allow connection problems on your network to be identified and located. Administrators can designate the priority of traffic based on Port/802.1p/DSCP QoS, for example, to ensure that voice and video applications remain clear and lag-free. Combining security with network performance, Unmanaged Pro Switches support MTU VLAN, port-based VLAN and 802.1Q-based VLAN functions.

Go Green with Your Ethernet

TP-Link's latest generation of Unmanaged Pro Switches make use of innovative energy-saving technologies. Power consumption automatically adjusts according to link status and cable length, allowing you to expand your network while minimizing your carbon footprint. Save the planet and lower your energy bills — it's a win-win!

Specifications

Hardware Features & Performance

Product Pictures			
Model		TL-SG105E	TL-SG108E
General	Interfaces	5 10/100/1000Mbps RJ45	8 10/100/1000Mbps RJ45
	Form Factor	Desktop	
Performance	Switching Capacity	10Gbps	16Gbps
	Forwarding Rate	7.44Mpps	11.9Mpps
	MAC Address Table	2K	4K
	Packet Buffer Memory	1.5Mbit	
	Jumbo Frame	16KB	
Physical & Environment	Power Supply	External Power Adapter(9V/0.6A)	
	Maximum Power Consumption	2.658W	3.552W
	Dimensions (W × D × H)	3.9*3.9*1.0 in. (100*98*25mm)	6.2*4.0*1.0 in. (158*101*25 mm)
	Fan Quantity	Fanless	
	Operating Temperature	0℃~40℃ (32°F~104°F)	
	Storage Temperature	-40℃~70℃ (-40°F~158°F)	
	Operating Humidity	10% ~ 90%RH, non-condensing	
	Storage Humidity	5%~90%RH, non-condensing	
	Certification	CE, FCC	

Software Features

L2 Features	• IGMP Snooping
	• Static Link Aggregation
	- TL-SG105E: up to 1 group, 4 ports per group - TL-SG108E: up to 2 groups, 4 ports per group
	• Port Mirroring
	• Loop Prevention
VLAN	• 32 VLANs (out of 4K VLAN IDs)
	• MTU/Port/802.1Q VLAN
QoS	• 4 Priority Queues
	• 802.1p/DSCP QoS
	• Rate Limit
	• Storm Control
Management	• Web-based Graphic User Interface (GUI)
	• Unmanaged Pro Configuration Utility

Ordering Information

Host Switch	
Product Model	**Description**
TL-SG105E	5-Port Gigabit Unmanaged Pro Switch
TL-SG108E	8-Port Gigabit Unmanaged Pro Switch