



# PoE Switches for Surveillance



# Why Choose Omada PoE Switches for Surveillance Networking?

Backed by TP-Link's 28 years of innovation, Omada offers reliable, professional, and innovative networking solutions with top-tier quality and performance.

- Genuine Manufacturer with Vertically Integrated Facilities and Strict Quality Control for Product Stability
- Best-in-Class Total Value
- Up to 5-Year Extended Product Warranties (Vary from countries / regions)
- Local Tech Support and Sales Team
- Large Local Inventory for Fast Availability
- Profit Assurance with Easy Installation and Dedicated B2B Channel

## Full PoE Switch Portfolio

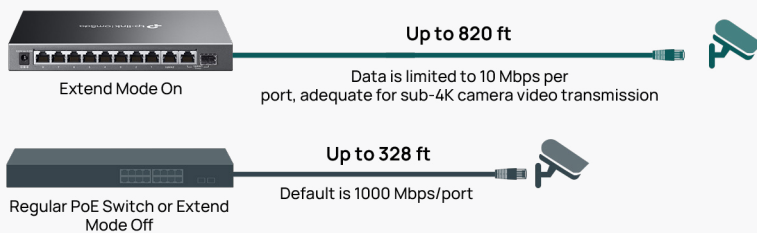
L3, L2+, Smart, Easy Managed, and Unmanaged PoE switches with 4/8/16/24/48-port PoE.

## PoE Budget Up to 1,440W

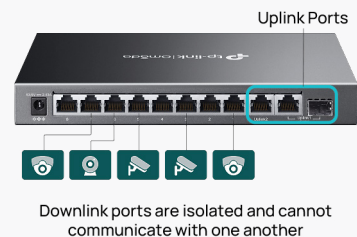
Supports up to 90W, 60W PoE++, or 30W PoE+ per port, compatible with 802.3bt/at/af PoE and non-PoE cameras.

## Abundant Features Designed for Surveillance, Controllable via Physical DIP Switch or Software

### Extend Mode for up to 820ft (250m) PoE Transmission\*



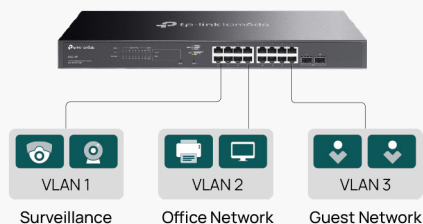
### Port Isolation for Safer Camera Networking



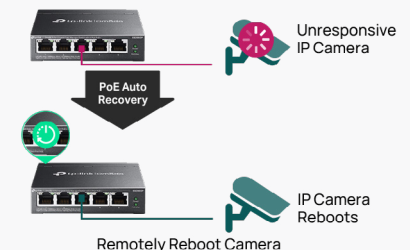
### Auto Loop Detection Increases the Stability of Surveillance Networking



### VLAN for Higher Security and More Convenient Maintenance



### PoE Auto Recovery to Automatically Reboot Unresponsive Cameras



Port Management for Remote Camera Reboot



QoS to Prioritize Video Quality



Priority Mode Prioritizes Cameras at the Cashier Counter

Note: These features are not supported by all Omada PoE switches. Refer to the specification table for details.

\*The speed of the ports in Extend Mode will be downgraded to 10 Mbps. Actual transmission distance may vary due to cable quality.

## Omada Cloud Essentials

A Free and Easy Cloud-Based Management for Surveillance Networks

- ✓ Lifetime Free Cloud Management without Additional Fees or On-Premises Controller
- ✓ Super-Easy Setup via Your Phone without Unboxing - Save Time & More Profits
- ✓ Zero-Touch Provisioning (ZTP)
- ✓ Manage and Monitor Anytime via Omada App or Web browser
- ✓ Comprehensive Managed Portfolio: Gateways, Managed Switches & APs
- ✓ Unlimited Management Scale for Multi Sites

## ○ Omada Easy Managed PoE Switches for Surveillance

At a Fair Price, Upgrade from Unmanaged to Cloud-Managed Switches for Easier Troubleshooting and Monitoring

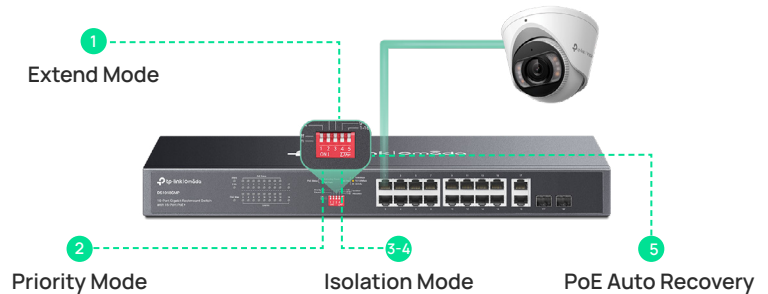
- ✓ Easy to Use with Plug-and-Play Design and Simple Configuration
- ✓ Free and Easy Centralized Cloud Management via Omada Cloud Essentials
- ✓ Remotely Access Logs and Receive Real-time Alerts of Networks
- ✓ Easily Configure Surveillance Features Like 802ft PoE & Remote Camera Reboot

Model		ES205GP	ES206GP	ES210GMP	ES220GMP	ES228GMP
Hardware	Gigabit PoE+ Ports	4	4	8	16	24
	Gigabit Non-PoE Ports	1x RJ45	2x RJ45	1x RJ45, 1x RJ45/SFP Combo	2x RJ45, 2x SFP	2x RJ45, 2x SFP
	PoE Standards	802.3af/at				
	PoE Budget	65 W	65 W	123 W	250 W	384 W
	Fanless	✓	✓	✓	-	-
	Installation	Desktop / Wall-Mounting			Rack Mountable	
Software	PoE Auto Recovery*	✓	✓	✓	✓	✓
	250m PoE under Extend Mode	✓	✓	✓	✓	✓
	Port Isolation	✓	✓	✓	✓	✓
	QoS	802.1p/DSCP QoS in Default; Priority Mode (Port-Based QoS)*; Customized QoS Settings*				
	Other Features for Surveillance	Port Management for Remote Camera Reboot; Auto Loop Detection; VLAN; Cable Test*				

\*Currently, PoE Auto Recovery, customized QoS settings, Priority Mode, and Cable Test are supported in Standalone Mode. These features will be manageable via the controller from Q1, 2025.

## ○ Omada Unmanaged 4/8/16-Port PoE Switches for Surveillance

- ✓ Plug and Play
- ✓ One-click to Activate Surveillance Features via the Built-in Physical DIP Switch



● Hot Buys

		GE					FE	
Model		DS1018GMP	DS110GMP	DS108GP	DS106GPP	DS105GP	DS111P	DS106P
Ports and PoE	PoE+ Ports	16x GE PoE+	8x GE PoE+	8x GE PoE+	1x GE PoE++, 3x GE PoE+	4x GE PoE+	8x 10/100 Mbps PoE+	4x 10/100 Mbps PoE+
	Non-PoE Ports	2x Gigabit Combo (SFP/RJ45)	1x Gigabit RJ45, 1x Gigabit Combo (SFP/RJ45)	-	2x GE	1x GE	2x GE, 1x SFP	2x 10/100Mbps
	PoE Standards	802.3af/at	802.3af/at	802.3af/at	802.3af/at/bt (Port 1, up to 60W), 802.af/at (Ports 2-4)	802.3af/at	802.3af/at	802.3af/at
	PoE Budget	250 W	123 W	65 W	64 W	65 W	65 W	67 W
Physical DIP Switch	Priority Mode	Ports 1-4	Ports 1-2	-	-	-	-	Ports 1-2
	250m (802ft) PoE under Extend Mode	Ports 1-4	Ports 1-4	Ports 1-2	Ports 1-2	Ports 1-2	Ports 1-4/1-8	Ports 1-4
	Isolation Mode	Ports 1-8/9-16	Ports 1-4/5-8	-	-	-	Ports 1-8	Ports 1-4
	PoE Auto Recovery	Ports 1-16	Ports 1-8	Ports 1-8	Ports 1-4	Ports 1-4	Ports 1-8	Ports 1-4
Hardware	Installation	Rackmount						
	Fanless for Silent Operation	-	✓	✓	✓	✓	✓	✓
Software	802.1p/DSCP QoS	✓	✓	✓	✓	✓	-	-
	IGMP Snooping	-	✓	✓	✓	✓	-	-

Note: Omada Unmanaged Switches cannot be managed by Omada controllers.

◦ Omada Managed 4/8/16/24/48-Port PoE Switches for Surveillance

Comprehensive Manageable Features for Hybrid Surveillance Networks and Unified Communications

- ✓

Flexible Centralized Cloud Management Options - Cloud-Based, On-Premises Hardware or Software
- ✓

Full Managed PoE Switch Portfolio - L3, L2+ and Smart PoE Switches with 4/8/16/24/48-Port PoE
- ✓

Up to 1,440W PoE Budget. Up to 90W per PoE++ Port
- ✓

Easily Configure Surveillance Features Like 820ft PoE & Remote Camera Reboot

● Hot Buys

		Outdoor Smart Switch	Smart Switch (FE Ports)	Smart Switch (GE Ports)				L2+ Switch (GE Ports)		L3 Switch (GE Ports)	
Model		SG2005P-PD	SL2428P	SG2008P/SG2210P	SG2016P	SG2218P	SG2428P	SG3428MP/SG3452P	SG3428XMPP/SG3452XMPP	SG6428XHP	SG6654XHP
Ports & PoE	PoE+ Ports	4x GE	24x FE	4/8x GE	8x GE	16x GE	24x GE	24/48x GE	8x GE PoE++, 16/40x GE PoE+	24x GE	48x GE
	Non-PoE Ports	1x GE (PoE++ in)	2x GE, 2x Gigabit RJ45/SFP Combo	4x GE/2x SFP	8x GE	2x SFP	4x SFP	4x SFP	4x 10G SFP+	4x 10G SFP+	4x 10G SFP+
	Console Ports	-	-	-	-	-	-	✓	✓	✓	✓
	PoE Standards	PoE in: 802.3bt/at/af PoE out: 802.3at/af	802.3at/af	802.3at/af	802.3at/af	802.3at/af	802.3at/af	802.3at/af	802.3af/at/bt (Ports 1-8, 90W), 802.3af/at (Ports 9-24/48)	802.3at/af	802.3at/af
	PoE Budget	Up to 64W	250W	62W/61W	120W	150W	250W	384W	500W/750W	Up to 1,440W*	Up to 720W*
	Perpetual PoE & Fast PoE	-	-	-	-	-	-	-	-	✓	✓
Hardware	Fanless	✓	-	✓	✓	✓ (v2)	-	-	-	-	-
	Installation	Wall / Pole Mounting	Rackmount	Desktop / Wall-Mounting				Rackmount			
	Weatherproof	IP55	-	-	-	-	-	-	-	-	-
Software	Features for Surveillance	PoE Auto Recovery, Port Management for Remote Camera Reboot, 820ft (250m) PoE under Extend Mode, VLAN, Port Isolation, Auto Loop Detection, Cast Test, Priority Mode (Port-Based QoS), 802.3p/DSCP QoS, Customized QoS Setting									
	L2+ Features	Static Routing, LLDP-MED, STP/RSTP, IGMP Snooping, ACL, SNMP, DHCP Server, IGMP Snooping									
	L3 Features	-	-	-	-	-	-	-	-	-	Stacking, VRRP, OSPF, etc.

\*The L3 PoE switch comes with one power module by default, offering a PoE budget of 764W (SG6654XHP) and 402W (SG6428XHP). An additional field-replaceable redundant power supply module can be purchased separately, expanding the PoE budget to 1,440W for the SG6654XHP (with a second PSM900-AC module) and 720W for the SG6428XHP (with a second PSM900-AC or PSM500-AC module).

◦ Typical Omada Bridges and VIGI Cameras for Surveillance



**EAP215-Bridge KIT**

Omada Wireless Bridge

- Easy Setup and Installation
- 802.11ac for up to 867 Mbps on the 5 GHz
- Up to 3.1mi (5km) Distance
- Three Gigabit Ports Connect More Cameras
- IP65 Weatherproof for Outdoor Use
- Standalone or Omada SDN Management



**InSight S345**

VIGI Bullet Camera

- Optional 4mm and 2.8mm Lens
- 4MP Super-High Definition
- 24h Full-Color
- People & Vehicle Analytics
- Human & Vehicle Classification
- IP67 Waterproof
- H.265+ Compression Technology



**InSight S445**

VIGI Turret Camera

- Optional 4mm and 2.8mm Lens
- 4MP Super-High Definition
- 24h Full-Color
- People & Vehicle Analytics
- Human & Vehicle Classification
- IP67 Waterproof
- H.265+ Compression Technology

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