



Key Highlights

4 × Gigabit PoE ports + 2 × Gigabit uplink RJ45 ports

AI PoE Watchdog for automatic port self-healing

Long-distance transmission up to 300 m in Extend mode

VLAN port isolation and Port Priority via DIP switch

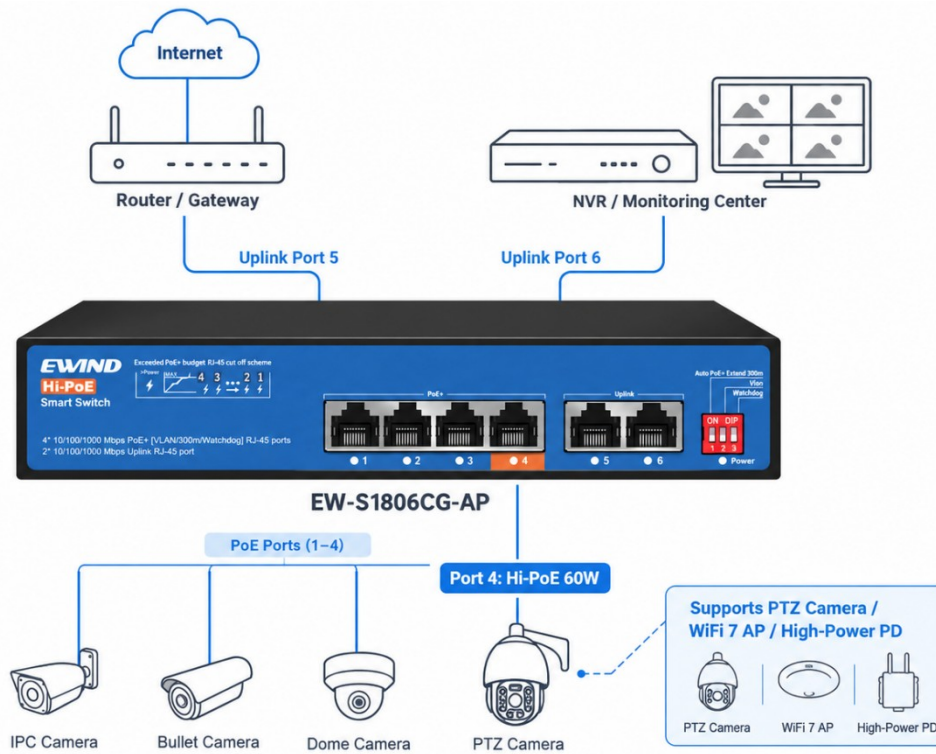
IEEE 802.3af/at on Ports 1–4; 802.3bt up to 60W on Port 4.

Introduction

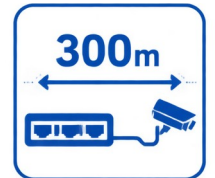
EW-S1806CG-AP is a 6-port Gigabit unmanaged PoE switch with 4 PoE ports and 2 uplink ports. It supports IEEE 802.3af/at and Hi-PoE up to 60W, together with PoE Watchdog, VLAN isolation and 300m long-distance transmission for reliable surveillance and network applications.

Application

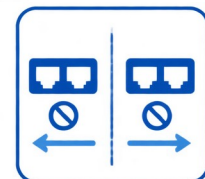
This PoE Switch is suitable for IP surveillance and wireless networking applications, providing reliable PoE power and Gigabit data transmission for IP cameras, PTZ cameras, WiFi 7 access points and other PoE-powered devices.



PoE Watchdog
Auto Recovery



Long Distance PoE
Up to 300 meters



VLAN
Port Isolation



Smart Speed
Auto-adapt by Cable Length

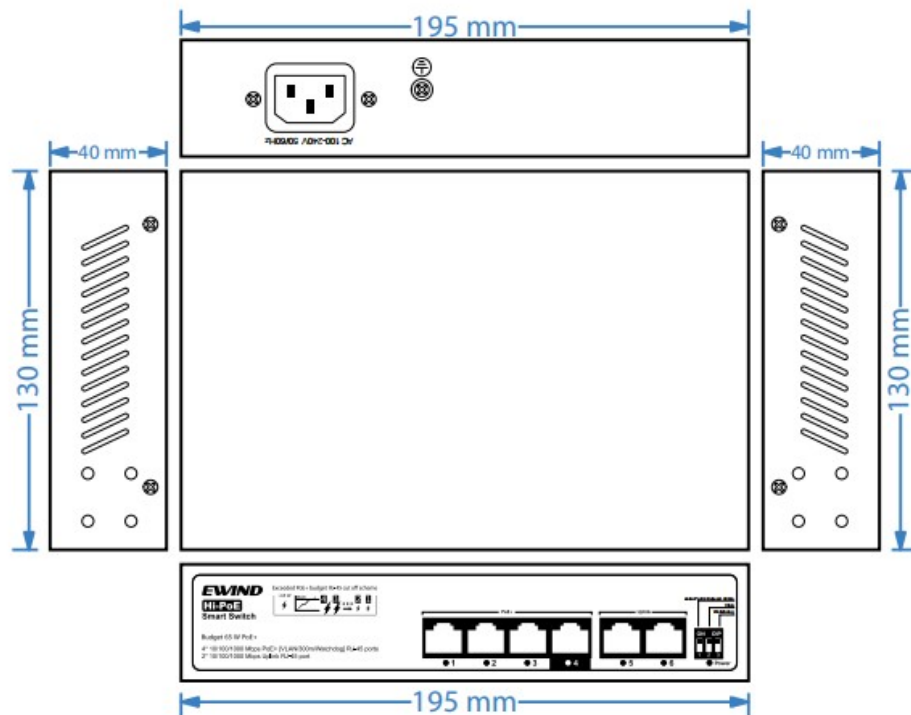


Port Priority

Technical Specification

Hardware Feature		PoE	
PoE Ports	4 × 10/100/1000Base-T RJ45	PoE Standard	IEEE 802.3af / 802.3at; Port 4 supports 802.3bt
Uplink Ports	2 × 10/100/1000Base-T RJ45		
Switching Capacity	12 Gbps	PoE Output	15.4 W standard / 30W max. per port; Port 4 up to 60W
Packet Forwarding Rate	8.9 Mpps		
Packet Buffer Memory	768 KB	PoE Budget	65W total
MAC Table Size	2K	PoE Pin Assignment	1/2 (+), 3/6 (-)
Ethernet Standards	IEEE 802.3 / 802.3u / 802.3ab / 802.3z / 802.3x	Function	
Ethernet	10/100/1000BASE-T, Auto- negotiation, Full/Half Duplex, Auto MDI/MDIX	AI Watchdog	Yes - automatic PoE port self- healing
Power Supply	Built-in AC 100-240 V, 50/60 Hz, 65W	VLAN	Port isolation for Ports 1-4
Power Consumption	Standby <2W; Full load <65W	Port Priority	Lower Port No. = Higher Priority
Operating Temperature	-20°C to +55°C	Long Distance	Up to 300 m at 10 Mbps in Extend mode
Storage Temperature	-40°C to +75°C		
Operating Humidity	5%–90% RH, non-condensing	Smart Speed	Auto speed change in Extend mode
Dimensions	195 × 130 × 40 mm		
LED Indicators	PWR: Green; Ports 1–6 Link/Act: Green	Certification	
Installation	Desktop / Wall Mount	Safety	EN IEC 62368-1:2020+A11:2020
Protection Level	IP30		
ESD	IEC 61000-4-2: ±8kV contact, ±15kV air	EMC – Emission	EN 55032:2015+A11:2020; EN IEC 61000-3- 2:2019+A1:2021+A2:2024; EN 61000-3- 3:2013+A2:2021+AC:2022-01
Surge	IEC 61000-4-5: Power CM ±4kV / DM ±2kV; Port ±4kV		
Warranty	3 years; lifelong maintenance	EMC – Immunity	EN 55035:2017+A11:2020
Packing List	Details	FCC	FCC Part 15B
PoE/Ethernet Switch	1 pc		
Power Cord	1 pc		
Hanging Ears	1 set		
Quick Installation Guide	1 pc		

Dimensions (mm)



Ordering Informaiton

Model Name	Specification	HiPoE Ports	Power Supply
EW-S1806CG-AP	4*10/100/1000M PoE Port + 2*10/100/1000M RJ45 Port Uplink AI Hi-PoE Switch Series-Gigabit	Port #4	65W
EW-S1810CG-AP	8*10/100/1000M PoE Port + 2*10/100/1000M RJ45 Port Uplink AI Hi-PoE Switch Series-Gigabit	Port #7-8	120W
EW-S1811CG-AP	8*10/100/1000M PoE Port + 2*10/100/1000M RJ45 Port+ 1*100/1000M SFP Uplink AI Hi-PoE Switch Series-Gigabit	/	120W
EW-S1818CG-AP	16*10/100/1000M PoE Port + 2*10/100/1000M RJ45 Port Uplink AI Hi-PoE Switch Series-Gigabit	/	200W
EW-S1820CG-AP	16*10/100/1000M PoE Port + 2*10/100/1000M RJ45 Port Uplink + 2*100/1000M SFP Uplink AI Hi-PoE Switch Series-Gigabit	/	200W
EW-S1828CG-AP	24*10/100/1000M PoE Port + 2*10/100/1000M RJ45 Port Uplink + 2*100/1000M SFP Uplink AI Hi-PoE Switch Series-Gigabit	/	300W
EW-S1806CF-AP	4*10/100M PoE Port + 2*10/100M RJ45 Port Uplink AI Hi-PoE Switch Series	Port #4	65W
EW-S1810CF-AP	8*10/100M PoE Port + 2*10/100M RJ45 Port Uplink AI Hi-PoE Switch Series	Port #7-8	120W
EW-S1810GU-AP	8*10/100M PoE Port + 2*10/100/1000M RJ45 Port Uplink AI Hi-PoE Switch Series	Port #7-8	120W
EW-S1819CF-AP	16*10/100M PoE Port + 2*10/100/1000M RJ45 Port Uplink + 1*100/1000M SFP Uplink AI Hi-PoE Switch Series	Port #13-16	250W

EW-S1827CF-AP	24*10/100M PoE Port + 2*10/100/1000M RJ45 Port Uplink + 1*100/1000M SFP Uplink AI Hi-PoE Switch Series	Port #21-24	300W
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