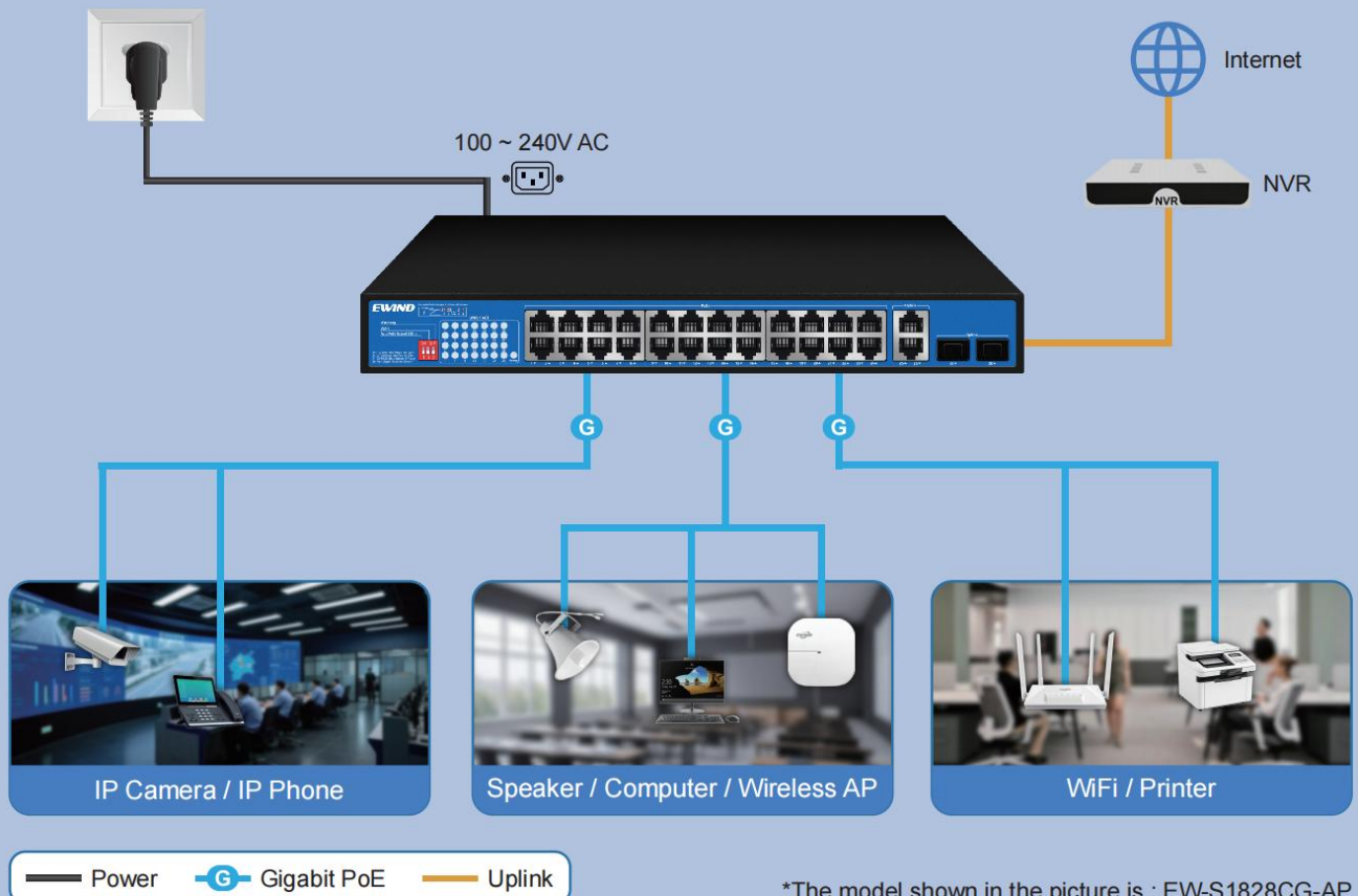




Full Gigabit AI PoE Switch

The EWIND Gigabit AI PoE Switch Series is an unmanaged PoE switch family for flexible deployments. The 4- and 8-port versions support HiPoE 60W on specific ports for high-power devices such as PTZ and speed dome cameras, while the 16- and 24-port models support standard PoE/PoE+ only.

All models comply with IEEE 802.3af/at and feature AI Watchdog, VLAN isolation, 300m long-range mode, and port priority to ensure stable and intelligent power delivery. With its efficient power supply capacity and intelligent functional design, this series is ideal for hotels, campuses, factory dormitories, small offices, and medium-sized enterprise networks.



Features

• Extend 300M Long Distance Transmission

In long-distance deployment scenarios, AI expansion can extend a single port to transmit up to 300 meters while automatically adjusting the speed (with a speed limit of 10Mbps), and other ports can maintain 1000M within 100 meters.

• VLAN

In the network, to isolate network access between different departments, prevent virus-infected PCs from affecting the entire network, virtual local area networks are divided into different VLANs to isolate broadcast domains and enhance network stability. This also improves network management efficiency and security.

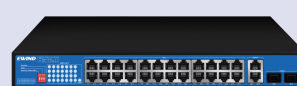
• AI Watchdog

It can automatically detect the operating status of the equipment. When a port failure is detected, it will automatically attempt to restore the connection and restart the abnormal device, thereby reducing maintenance costs and improving system stability, and minimizing manual intervention to the greatest extent.

• Port Priority

When the power supply is insufficient, intelligent power-off is carried out based on the port number to achieve priority power supply for important equipment.

Technical Specifications

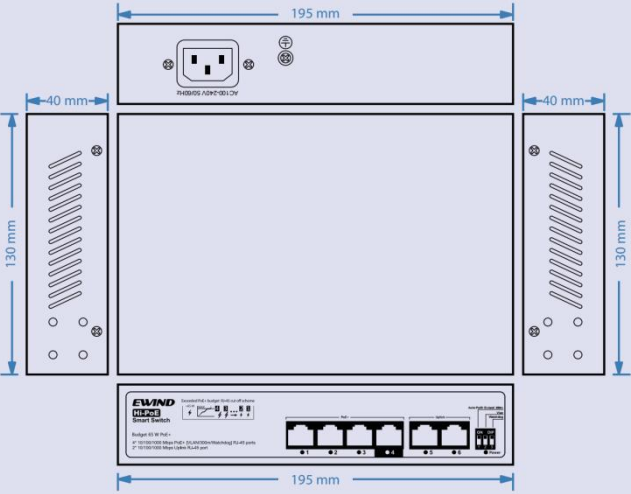


Model	EW-S1806CG-AP	EW-S1810CG-AP	EW-S1820CG-AP	EW-S1828CG-AP
PoE Ports	4*10/100/1000Mbps	8*10/100/1000Mbps	16*10/100/1000Mbps	24*10/100/1000Mbps
Uplink Ports	2*10/100/1000Mbps RJ45 Ports	2*10/100/1000Mbps RJ45 Ports	2*10/100/1000Mbps RJ45 Ports 2*100/1000Mbps SFP Fiber Ports	2*10/100/1000Mbps RJ45 Ports 2*100/1000Mbps SFP Fiber Ports
Switching Capacity	12Gbps	20Gbps	40Gbps	56Gbps
Forwarding Rate	8.9Mpps	14.88Mpps	29.76Mpps	41.67Mpps
MAC Address Table	2K	4K	8K	8K
Buffer Memory	768K	4M	4M	4M
Power Supply	65W (100-240V)	120W(100-240V)	200W(100-240V)	300W(100-240V)
Power Consumption	Standby:<2W; Full load:<65W.	Standby:<2W; Full load:<120W.	Standby:<5W; Full load:<200W.	Standby:<5W; Full load:<300W.
LED Indicator	Power indicator: PWR (Green); Network indicator: 1-4(Link/Act)/ (Green); 5-6(Link/Act)/ (Green).	Power indicator: PWR (Green); Network indicator: 1-8(Link/Act)/ (Green); 9-10(Link/Act)/ (Green).	Power indicator: PWR (Green); Network indicator: 1-16(Link/Act)/ (Green); 17-20(Link/Act)/ (Green).	Power indicator: PWR (Green); Network indicator: 1-24(Link/Act)/ (Green); 25-28(Link/Act)/ (Green).
Dimension	195*130*40mm	220*145*44mm	290*181*44mm	330*215*44mm
Net /Gross Weight	<0.8kg / <1.2kg	<0.8kg / <1.5kg	<1.6kg / <2.05kg	<2.5kg / <3kg

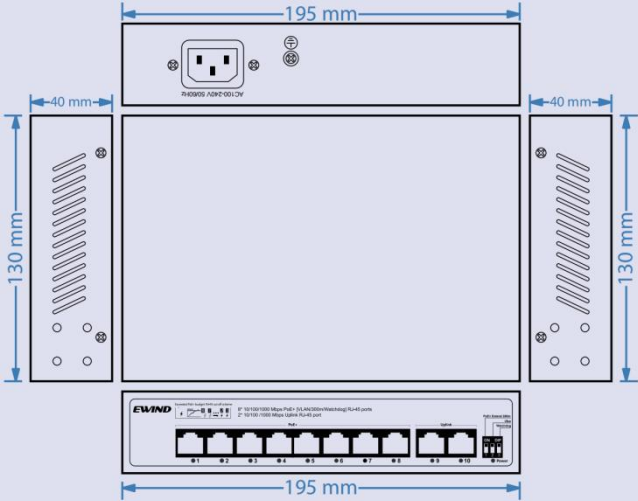
Technical Specifications

Model	EW-S1806CG-AP	EW-S1810CG-AP	EW-S1820CG-AP	EW-S1828CG-AP
PoE standard	Port 1-4 support @IEEE802.3af/at; Port 4 support @IEEE 802.3af/at/ bt (Max. 60W/port).	Port 1-8 support @IEEE802.3af/at; Port 7-8 support @IEEE 802.3af/at/ bt (Max. 60W/port).	All PoE Ports support @IEEE802.3af/at (Max 30W/port).	
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3x; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T.		IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;IEEE802.3x; IEEE802.3u 100Base-T;IEEE802.3ab 1000Base-T; IEEE802.3z 1000base-X;IEEE802.3u 100Base-FX;	
EVD Function	With the Dial code switch, support port priority by default. E-1: AI Extend 300meters transmission and auto speed change of single port (limit 10Mbps), other ports maintain 1000M within 100 meters; V-2: Turn on,Each Port support each port Isolation & VLAN; D-3: Turn on,Each Port support AI-PoE Network self-healing mode (PoE Watchdog function), Automatic solve the camera problem &reduce after-sale.			
Ethernet Port Feature	10/100/1000Base-T(X) automatic detection,full/half Duplex MDI/MDI-X adaptive.			
Fiber Port Feature	Gigabit SFP Port (Fiber module is not included, need to order separately, module options include single/multi-mode, single/dual fiber, LC)			
Forwarding Mode	Store and Forward			
Twisted Pair Transmission	10BASE-T: Cat5 UTP (≤300 meter) 100BASE-TX: Cat5 or later UTP (≤100 meter) 1000BASE-T: Cat5 or later UTP (≤100 meter)			
Power Supply Pin	Default 1/2(+), 3/6(-).			
Power Supply	Build-in power supply AC100~240V 50-60Hz.			
Operation TEMP / Humidity	-20~+55°C;5%~90% RH non condensing			
Storage TEMP / Humidity	-40~+75°C;5%~95% RH non condensing			
Installation Method	desktop type,wall mounted; EW-S1820CG-AP and EW-S1820CG-AP supports 1U Rack Mount.			
Protection	IEC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge; IEC61000-4-5(Lightning protection/Surge): Power:CM±4kV/DM±2kV; Port: ±4kV.			
Protection Level	IP30			
Certification	CCC; CE mark,commercial;CE/LVD EN60950; FCC Part 15 Class B; RoHS.			
Warranty	2 years, lifetime maintenance.			

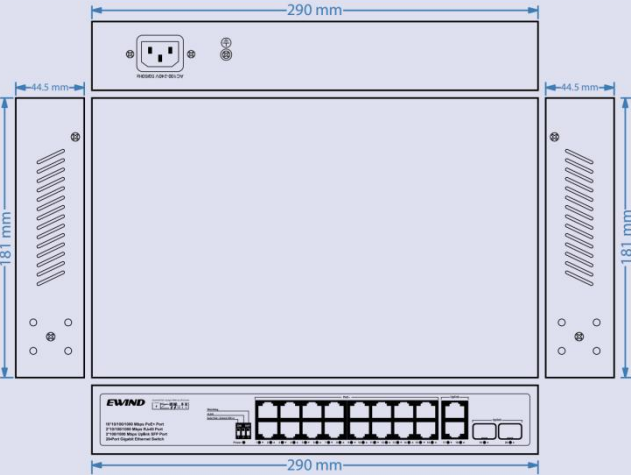
Appearances and Dimensions



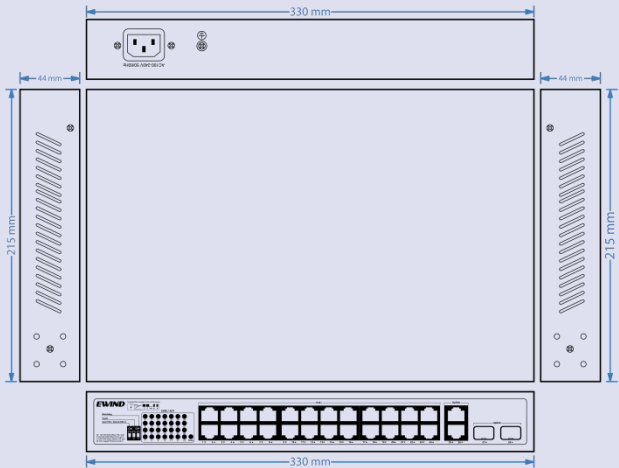
EW-S1806CG-AP



EW-S1810CG-AP



EW-S1820CG-AP



EW-S1828CG-AP

Packing list

CONTENT	QTY	UNIT
Full Gigabit AI PoE Switch	1	SET
AC Power Cord	1	PC
User Guide and Warranty Card	1	PC
Hanging Ear (EW-S1820CG(S1828CG)-AP)	1	PAIR

Contact us

EWIND Technology Co., Limited.

Office Address: Room 508, 5/F, XingHe World Tower E, Yabao Road, Longhua Dist, Shenzhen City, Guangdong, China.
 Factory Address: 5th floor, Building 3, ZhongYuntai industrial area, Songbai Road, Shiyan Street, Bao'an District, Shenzhen China.
 Email: info@ewindnet.com
 Tel: +86-755-2100 6440

