

NETWORK SWITCH

8-Port Long-Range Gigabit Unmanaged PoE Switch, 120W

Model PS1802G



8-port long-range Gigabit unmanaged PoE switch with 2 Gigabit uplinks, 120W PoE budget, 300m Extend mode, VLAN isolation, and AI watchdog.

Features

- 8 Gigabit PoE ports and 2 Gigabit RJ45 uplink ports
- Ports 1-8 support IEEE 802.3af/at; ports 7-8 support IEEE 802.3bt up to 60W
- E/V/W DIP modes provide 300m Extend, VLAN isolation, and AI PoE watchdog functions
- 120W total PoE power budget with built-in AC power supply
- Automatic 10/100/1000Mbps negotiation and auto MDI/MDI-X
- Desktop or wall-mounted installation

Interfaces

Model	PS1802G
Fixed Ports	8 × 10/100/1000Base-T/TX PoE ports (data/power); 2 × 10/100/1000Base-T/TX RJ45 uplink ports (data)
PoE Standard	Ports 1–8 support IEEE 802.3af/at; ports 7–8 support IEEE 802.3af/at/bt, up to 60W per port
Network Protocols	IEEE 802.3 10BASE-T; IEEE 802.3i 10Base-T; IEEE 802.3x; IEEE 802.3u 100Base-TX; IEEE 802.3ab 1000Base-T
DIP Switch Modes	E – Extend Mode: up to 300m transmission with automatic per-port speed adjustment (limited to 10Mbps); V – VLAN Mode: isolates PoE ports while retaining uplink communication; W – Watchdog Mode: detects unresponsive IP cameras and restarts PoE power automatically
Ethernet Port Features	10/100/1000Base-T(X) auto-detection, full/half duplex, auto MDI/MDI-X

Switch Performance

Switching Capacity	20Gbps
Forwarding Rate	14.88Mpps
MAC Address Table	4K
Buffer Memory	4M
Forwarding Mode	Store and forward
Twisted Pair Transmission	10BASE-T: Cat5 UTP up to 300m; 100BASE-TX and 1000BASE-T: Cat5 or later UTP up to 100m
Power Supply Pin	1/2(+), 3/6(-)
Power Supply	120W, AC 100–240V, 50–60Hz
Power Consumption	Standby < 2W; full load < 120W

Physical Characteristics

LED Indicators	PWR (green); Link/Act for ports 1–10 (green)
Operating Temperature / Humidity	-20°C to +55°C; 5%–90% RH, non-condensing
Storage Temperature / Humidity	-40°C to +75°C; 5%–95% RH, non-condensing
Installation	Desktop or wall-mounted
Protection	IEC 61000-4-2 ESD: ±8kV contact, ±15kV air; IEC 61000-4-5 surge: power CM ±4kV / DM ±2kV, ports ±4kV
Dimensions	220 × 145 × 44mm
Net / Gross Weight	< 0.8kg / < 1.5kg
Protection Level	IP30

Package Contents

Switch	1 pc
Power cord	1 pc
Quick installation guide	1 pc



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