

NETWORK SWITCH

24-Port Long-Range Gigabit Unmanaged PoE Switch, 300W

Model PS12402FG

24-port long-range Gigabit unmanaged PoE switch with 2 Gigabit RJ45 and 2 SFP uplinks, 300W PoE budget, 300m Extend mode, VLAN, and watchdog.

Features

- 24 Gigabit PoE ports, 2 Gigabit RJ45 uplinks, and 2 Gigabit SFP uplinks
- E/V/W DIP modes provide 300m Extend, VLAN isolation, and AI PoE watchdog functions
- 56Gbps non-blocking switching capacity
- All PoE ports support IEEE 802.3af/at, up to 30W per port
- 300W total PoE power budget with built-in AC power supply
- Desktop, wall-mounted, or 1U rack-mount installation

Interfaces

Model	PS12402FG
Fixed Ports	24 × 10/100/1000Base-T/TX PoE ports (data/power); 2 × 10/100/1000Base-T/TX RJ45 uplink ports (data); 2 × 100/1000Base-X SFP uplink slots (data)
PoE Standard	All PoE ports support IEEE 802.3af/at, up to 30W 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; IEEE 802.3z 1000Base-X; IEEE 802.3u 100Base-FX
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
Fiber Port Features	Gigabit SFP slots; fiber modules ordered separately, with single-mode/multi-mode and single-fiber/dual-fiber LC options

Switch Performance

Switching Capacity	56Gbps
Forwarding Rate	41.67Mpps
MAC Address Table	8K
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	300W, AC 100–240V, 50–60Hz
Power Consumption	Standby <5W; full load <300W

Physical Characteristics

LED Indicators	PWR (green); Link/Act for ports 1–28 (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, wall-mounted, or 1U rack-mounted
Protection	IEC 61000-4-2 ESD: ±8kV contact, ±15kV air; IEC 61000-4-5 surge: power CM ±4kV / DM ±2kV, ports ±4kV
Dimensions	330 × 215 × 44mm
Net / Gross Weight	<2.5kg / <3kg
Protection Level	IP30

Package Contents

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



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