

Manual:

SW-UE4G1P1SFP





Introduction:

1. Provides 4 × 10/100/1000Base-T PoE ports, 1 × 10/100/1000Base-T uplink port, and 1 × Gigabit SFP slot.
2. Ports 1–4 are compliant with IEEE 802.3af/at PoE standards and support standard power supply.
3. Operating temperature range: -40°C to +75°C; surge protection: 4 kV; ESD protection: ±15 kV (air discharge), ±8 kV (contact discharge).
4. Equipped with a 4-pin industrial terminal block and DC 2.1 power input; supports wide voltage input of DC 48–55 V.
5. Supports three DIP switch modes: VLAN mode, Genius mode, and Extend mode.
6. Supports DIN-rail mounting and wall mounting installation.



Parameter:

Power Supply: DC 48–55 V

Ethernet Ports:

4 × 10/100/1000Base-T PoE ports

1 × 10/100/1000Base-T uplink port

1 × Gigabit SFP slot

Bandwidth: 12 Gbps

Forwarding Rate: 8.928 Mpps

MAC Address Table: 8K entries



Jumbo Frame: 9.6 KB

Forwarding Mode: Store-and-forward

MTBF: 100,000 hours

Network Standards:

IEEE 802.3

IEEE 802.3i

IEEE 802.3u

IEEE 802.3ab

IEEE 802.3z

PoE Specifications:

PoE standard: IEEE 802.3af / IEEE 802.3at

Max. power per port: 15.4 W (802.3af), 30 W (802.3at)

PoE compatibility: IEEE 802.3af/at auto-detection

Output voltage: DC 48–55 V

Pin assignment: 1/2 (+), 3/6 (–)

Network Media:

10BASE-T: Cat5 or above UTP (≤ 100 m)

100BASE-TX: Cat5 or above UTP (≤ 100 m)

1000BASE-T: Cat5 or above UTP (≤ 100 m)

Fiber Media:

Multi-mode: 850 nm / 1310 nm, transmission distance up to 550 m / 2 km

Single-mode: 1310 nm / 1550 nm, transmission distance up to 20 / 40 / 60 / 80 / 100 / 120 km

Certifications: CE, FCC, RoHS



Operating Environment:

Operating temperature: -40°C to +75°C

Storage temperature: -40°C to +85°C

Humidity: 5%–95% (non-condensing)

LED Indicators: PWR, Ports 1–6 (green)

PWR:

On: Power on

Off: Power off

Ports 1–6:

On: Link established

Off: No link

Flashing: Data transmission

DIP Switch Functions (V / G / E; up = ON, down = OFF):

V (VLAN mode): Ports 1–4 are isolated and communicate only with ports 5–6

G (Normal mode): Standard operation

E (Extend mode): Ports 1–4 operate at 10 Mbps, transmission distance up to 250 m

Mechanical Specifications:

Product dimensions: 120 × 87 × 30 mm

Net weight: 0.441 kg

Gross weight: 0.530 kg

Power Input:

Input voltage: DC 48–55 V

4-pin industrial terminal (redundant inputs: V1+/V1–, V2+/V2–)

DC 2.1 jack

Note: DC jack and terminal input cannot be used simultaneously.