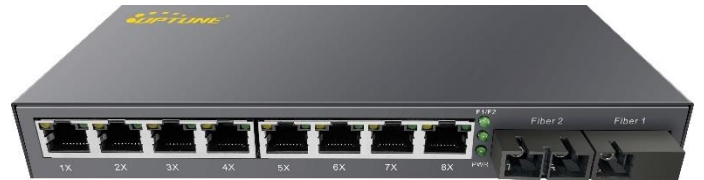


OPT-628P Series Fast Ethernet Switch

8*10/100Base-Tx(PoE) to 2*100Base-Fx
RoHS Compliant



>>Description

OPT-628P series provide 2 fiber ports and 8 10/100Base-TX PoE ports, OPT-628P series compliant with IEEE802.3af and IEEE802.3at while transmitting data over the cable. Each port support 30 watts output to PoE terminals directly to provide AC power without additional wiring.

Application

- VoIP transmission, Intelligent Home Systems
- Urban Intelligent Traffic Monitoring System (ITS), Safe City, Wireless City
- Highway monitoring system, Electronic road monitoring, Capture system
- Large industrial enterprise security monitoring systems, network multifunction system
- Remote multimedia teaching / Campus monitoring, Video conferencing systems
- Building intercom, Wireless communications, Video surveillance

>>Main Features

- Complies with IEEE802.3, IEEE802.3u standard
- Supports 802.3x flow control
- Supports IEEE802.3at, IEEE802.3af PoE standard
- Support PD detection and PD classification
- Provides 8-port 10/100M RJ45 and 2-port fiber ports
- Supports auto duplex(HDX/FDX) auto MDI/MDIX function
- Auto MDI/MDI-X support on RJ-45 port
- Support max forwarding packet length 1518 bytes
- Status LED for easy monitoring of device status
- Fanless design, Natural cooling

>> Specifications

Interface

- 8 x Ethernet+PoE port (RJ45) 10/100Base-Tx
- 2 x Optical port (1x9) 100Base-Fx

Optical Port

- Available for 1310/1490/1550nm Single mode, 1310nm Multi mode
- Transfer Distance: up to 120km
- Connectors: SC, ST and FC optional
- Fiber core: 9/125µm on single-mode fiber; 50/125µm and 62.5/125µm on multi-mode fiber

Ethernet Port

- Cable: Cat 5/5e/6 UTP cable
- Available speed: force 10Mbps, force 100Mbps and auto-detective 10/100Mbps. Full-Duplex and Half-Duplex auto-negotiation
- Connectors: RJ-45 Connector; MDI/MDI-X connection auto-sensing

Standard

- IEEE802.3 (10Base-T)
- IEEE802.3u (100Base-TX/FX)
- IEEE802.3x (Flow control)
- IEEE802.3af (Power over Ethernet Standard)
- IEEE802.3at (Power over Ethernet enhancements Standard)

Switch Properties

- MAC Table: 16K

- Bandwidth: 1G
- Switching Delay: <5µs

PoE Specification

- Power Output: PoE 48V DC
- PoE Power Supply type: End-Span
- Power Pin Assignment: 1/2(+), 3/6(-)
- PoE Power Budget: Each port provides max 30W feed power

LED Indicators

- Power Status, FX Link/Act, TX Link/Act

Power Requirement

- Input: 48V DC

Physical Characteristics

- Housing: Metal enclosure
- Dimensions: 197 x 88 x 27mm
- Weight: 0.5kg

Environmental Limits

- Operating Temperature: -10°C to 70°C
- Storage Temperature: -20°C to 70°C
- Operating Humidity: 10% to 90% RH (non-condensing)
- Storage Humidity: 5% to 90% RH (non-condensing)

Agency Approvals

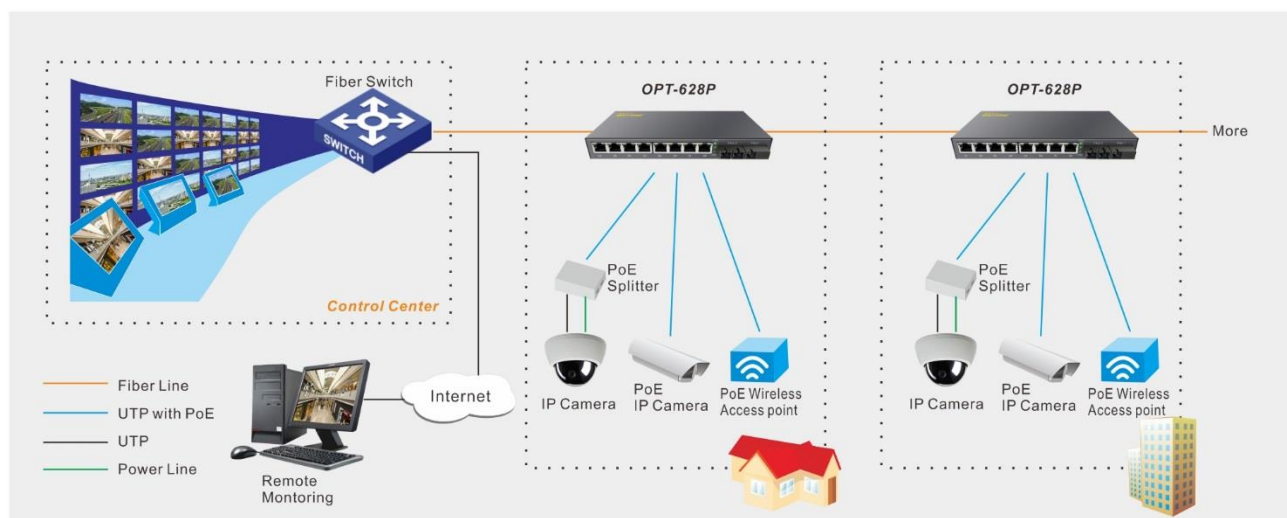
- FCC Part 15 of Class A & CE approved

Warranty

- 3 years

>> Applications

The following illustrates typical applications for the OPT-628P series. The actual distances will depend on several factors including the quality of cables used and the terminal equipment employed.



>>Ordering Information

Double Fiber

OPT-628PM02	8*10/100Base-Tx(PoE) to 2*100Base-Fx, Multi mode, 2Km, SC/ST/FC optional
OPT-628PS25	8*10/100Base-Tx(PoE) to 2*100Base-Fx, Single mode, 25Km, SC/ST/FC optional
OPT-628PS40	8*10/100Base-Tx(PoE) to 2*100Base-Fx, Single mode, 40Km, SC/ST/FC optional
OPT-628PS60	8*10/100Base-Tx(PoE) to 2*100Base-Fx, Single mode, 60Km, SC/ST/FC optional
OPT-628PS80	8*10/100Base-Tx(PoE) to 2*100Base-Fx, Single mode, 80Km, SC/ST/FC optional

Single Fiber

OPT-628PW25	8*10/100Base-Tx(PoE) to 2*100Base-Fx, Bi-Directional, 25Km, SC/ST/FC optional
OPT-628PW40	8*10/100Base-Tx(PoE) to 2*100Base-Fx, Bi-Directional, 40Km, SC/ST/FC optional
OPT-628PW60	8*10/100Base-Tx(PoE) to 2*100Base-Fx, Bi-Directional, 60Km, SC/ST/FC optional
OPT-628PW80	8*10/100Base-Tx(PoE) to 2*100Base-Fx, Bi-Directional, 80Km, SC/ST/FC optional

>>Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTONE before they become applicable to any particular order or contract. In accordance with the OPTONE policy of continuous improvement specifications may change without notice.

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