

## OPT-618P Series Fast Ethernet Switch

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



### >>Description

OPT-618P series provide 1 fiber port and 8 10/100Base-TX PoE ports, OPT-618P 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 1-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
- 1 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

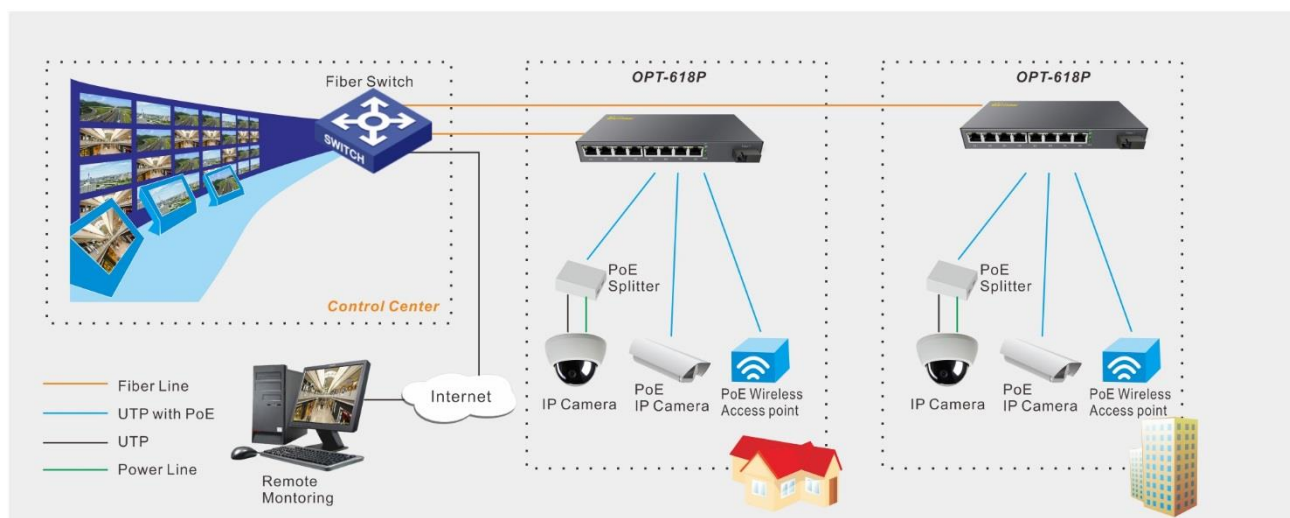
- FCC Part 15 of Class A & CE approved

### Warranty

- 3 years

## >> Applications

The following illustrates typical applications for the OPT-618P series. The actual distances will depend on several factors including the quality of cables used and the terminal equipment employed.



## >>Ordering Information

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### **Double Fiber**

OPT-618PM02	8*10/100Base-Tx(PoE) to 100Base-Fx, Multi mode, 2Km, SC/ST/FC optional
OPT-618PS25	8*10/100Base-Tx(PoE) to 100Base-Fx, Single mode, 25Km, SC/ST/FC optional
OPT-618PS40	8*10/100Base-Tx(PoE) to 100Base-Fx, Single mode, 40Km, SC/ST/FC optional
OPT-618PS60	8*10/100Base-Tx(PoE) to 100Base-Fx, Single mode, 60Km, SC/ST/FC optional
OPT-618PS80	8*10/100Base-Tx(PoE) to 100Base-Fx, Single mode, 80Km, SC/ST/FC optional

### **Single Fiber**

OPT-618PW25	8*10/100Base-Tx(PoE) to 100Base-Fx, Bi-Directional, 25Km, SC/ST/FC optional
OPT-618PW40	8*10/100Base-Tx(PoE) to 100Base-Fx, Bi-Directional, 40Km, SC/ST/FC optional
OPT-618PW60	8*10/100Base-Tx(PoE) to 100Base-Fx, Bi-Directional, 60Km, SC/ST/FC optional
OPT-618PW80	8*10/100Base-Tx(PoE) to 100Base-Fx, Bi-Directional, 80Km, SC/ST/FC optional

## >>Important Notice

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