



# RUGGED ENVIRONMENT SOLUTIONS

ICE608-PoE are series of switches especially designed for working in rugged environment and out-door installation, supporting the temperature range of -40C° to +85C°.

ICE608-PoE is a series of 8 x 10/100BaseTX with 100BaseFX support switches. ICE608-PoE series supports IEEE802.3af PoE/PSE technology. ICE608-PoE Series are available in a wide range of fiber cabling and connector types. It supports SC and ST connectors, available in multi-mode and single-mode and WDM of distances up to 100 km.

ICE608-PoE provide state of the art solution for the growing demand for fiber optic cabling deployment in rugged environments.

ICE608-PoE



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## Key Features

- ICE608-PoE provides up to 8 ports 10/100Base-T/TX, Auto MDI-II/MDI-X with RJ-45 connector and up to two ports 100BaseFX fiber connector.
- Support 4 ports IEEE802.3af PoE/PSE Technology 15.4W per port.
- 48VDC Terminal Block power input
- Front panel status LEDs
- Non-blocking full wire-speed forwarding rate
- Store-and-forward mechanism.
- Support broadcast storm filtering
- Back-pressure & IEEE802.3 x complaint flow control
- 1024 MAC addresses
- Alarms for power and port link failure by relay output
- Redundant power supply
- DIN Rail, Panel or Wall mounting
- Aluminum case
- NEMA TS1/2 Certified

RUGGED FAST ETHERNET SWITCH

## Specifications

### Technical Specification

**LED:** ICE608-PoE: Per Unit Power status (Power1, Power 2)  
 Per Port 10/100TX: LNK/ACT, FD/COL, Speed (3 LEDs)  
 Per Unit 100FX: LNK/ACT (1 LED)  
 PoE: PD Connected / PD Disconnected

### **Ethernet Standards:**

ICE608-PoE: IEEE 802.3 10Base-Tx, IEEE802.3u 100Base-Tx,  
 IEEE 802.3x Flow control, IEEE 802.3af PoE

### **Cable:**

100Base-TX:4-pair UTP Cat.5e, Cat6 up to 100m (328ft)  
 100Base-FX:62.5/125um Multi-mode fiber optic cable, up to 2Km  
 50/125um Multi-mode fiber optic cable, up to 2Km  
 10/125um Single-mode fiber optic cable, up to 100km

### **Forwarding Rate:**

14,880pps for 10Mbps, 148,800 for 100Mbps

### Physical Specification

#### **Power:**

48VDC Terminal Block, 1.5A@48VDC, Max 72 Watt  
 Over Load Current & Reverse Polarity Protection

#### **Operating Temperature:**

-40°C ~85°C (-40°F ~185°F)

#### **Storage Temperature**

-40°C ~85°C (-40°F ~185°F)

#### **Humidity:**

0%~95% non-condensing

#### **Dimensions:**

W68mm x D110mm H135mm (2.66"(W) x 4.33"(D) x 5.31"(H))

#### **Net Weight:**

1.0kg

#### **Regulation Compliance:**

CE (EN55022, EN55024) ,FCC, EN60950, IEC60950-1,  
 EN61000-3-2, EN61000-3-3, EN61000-6-3, ENC61000-4-  
 2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-  
 4-6, EN61000-4-8, IEC61000-4-11, IEC60068-2-6,  
 IEC60068-2-27, IEC60068-2-32, NEMATS1/2

## Ordering Information

ICE618POE-M	7 x 10/100BaseT (4 of them are 802.3af – PSE ports) + 1x 100FX (SC, Multi-Mode) switch for rugged environment (-40°C - +85°C), Up to 2Km
ICE618POE-S	7 x 10/100BaseT (4 of them are 802.3af – PSE ports) + 1x 100FX (SC, Single-Mode) switch for rugged environment (-40°C - +85°C), Up to 30Km.
ICE628POE-M	6 x 10/100BaseT (4 of them are 802.3af – PSE ports) + 2 x 100FX (SC, Multi-Mode) switch for rugged environment (-40°C - +85°C), Up to 2Km
ICE628POE-S	6 x 10/100BaseT (4 of them are 802.3af – PSE ports) + 2 x 100FX (SC, Single-Mode) switch for rugged environment (-40°C - +85°C), Up to 30Km.

\* WDM version converters are also available for 40Km.

\*\* ST connectors are also available upon demand.