![TECHAYA logo]

RUGGED
ENVIRONMENT
SOLUTIONS

ICE808-POE

ICE808-PoE are series of web smart switches especially designed for working in rugged environment and out-door installation, supporting the temperature range up to -40C° to +85C°.

ICE808-PoE is a series of 8 x 10/100BaseTX with up to 2 x 100BaseFX switches. ICE808-PoE series supports IEEE802.3af PoE/PSE technology. ICE808-PoE Series are available in a wide range of fiber cablings and connector types. It supports SC and ST connectors, available in multi-mode, single-mode and WDM of distances up to 100 km.

ICE808-PoE provides state of the art solution for the growing demand for fiber optic cabling deployment in rugged environments.

Key Features

- ICE808-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 up to 15.4W per port.
- 48VDC Terminal Block power input
- Front panel status LEDs
- Web managed for Port based VLAN, Qos, PoE Power control & status
- IP Setting and configuration, load default settings
- 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

Specifications

Technical Specification

LED: ICE808-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:
ICE808-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

ICE818POE-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
ICE818POE-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.
ICE828POE-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
ICE828POE-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.

** Also available as ETR version for -10°C to +70°C.