TECHAYA

RUGGED ENVIRONMENT SOLUTIONS

ICE9100L-PoE are series of media converters especially designed for working in rugged environment and out-door installation, supporting the temperature range of -10C° to +70C°.

ICE9100L-PoE is a series of 10/100BaseTX to 100BaseFX media converters. ICE9100L-PoE series supports IEEE 802.3af PoE/PSE technology. ICE9100L-PoE Series are available in a wide range of fiber cablings and connector types. It supports SC and ST connectors, available in multi-mode and single-mode of distances up to 100 km.

ICE9100L-PoE provide state of the art solution for the growing demand for fiber optic cabling deployment in rugged environments.

ICE9100L-PoE

Key Features

- ICE 9100L-PoE provides one port 10/100Base-T/TX, Auto MDI-II/MDI-X with RJ-45 connector and one port 100BaseFX fiber connector.
- Support IEEE802.3af PoE/PSE Technology.
- DIP switch configuration for "Link-Loss-Forwarding", speed & duplex mode.
- 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
- DIN Rail, Panel or Wall mounting
- Aluminum case
- NEMA TS1/2 Certified

Specifications

Technical Specification

LED: ICE9100L-PoE: Per Unit   Power status (Power)

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:

ICE9100L-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, 0.075A@48VDC, Max 3.6 Watt
Over Load Current & Reverse Polarity Protection

Operating Temperature: -10˚C ~70˚C (14˚F ~158˚F)

Storage Temperature   -40˚C ~85˚C (-40˚F ~185˚F)

Humidity: 0%~95% non-condensing

Dimensions: W70mm x D110mm H30mm (2.76"(W) x 4.33"(D) x 1.18"(H))

Net Weight: 0.25kg

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

ICE9100LM-PSE   10/100BaseT to 100FX (SC, Multi-Mode) 802.3af – PSE, Media Converter
for rugged environment (-10°C - +70°C), Up to 2Km

ICE9100LS-PSE   10/100BaseT to 100FX (SC, Single-Mode) 802.3af – PSE ,Media
Converter for rugged environment (-10°C - +70°C), Up to 30Km.

ICE9100LS50-PSE   10/100BaseT to 100FX (SC, Single-Mode) 802.3af – PSE Media
Converter for rugged environment (-10°C - +70°C), Up to 50Km.

ICE9100LW20A-PSE   10/100BaseT to 100FX (WDM, Single Fiber) 802.3af – PSE, Media
Converter (-10°C - +70°C), Up to 20Km (TX-1310, RX-1550).

ICE9100LW20B-PSE   10/100BaseT to 100FX (WDM, Single Fiber) 802.3af – PSE, Media
Converter (-10°C - +70°C), Up to 20Km (TX-1550, RX-1310).

* WDM version converters are also available for 40Km.

** ST connectors are also available upon demand.