

ICE9100L and ICE9200L 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 is a series of 10/100BaseTX to 100BaseFX auto negotiation media converters. ICE9200L is a series of 100BaseFX Multimode to Singlemode media converters. ICE9100L/9200L 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.

ICE9100
ICE9200



ICE9200L is available in Single-mode to Single-mode for extending fiber reach. The **ICE9100L/9200L** provide state of the art solution for the growing demand for fiber optic cabling deployment in rugged environments.

Key Features

- ICE 9100L Provides one port 10/100Base-T/TX auto-negotiation, Auto MDI-II/MDI-X with RJ-45 connector and One port 100BaseFX fiber connector.
- ICE 9104L Provides four ports 10/100Base-T/TX auto-negotiation, Auto MDI-II/MDI-X with RJ-45 connector and One port 100BaseFX fiber connector.
- ICE9200L provides two ports 100BaseFX connector.
- 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
- 12 - 48VDC Terminal Block power input
- 2048 MAC addresses
- DIN Rail mounting
- NEMA TS1/2 Certified



Specifications

Technical Specification

LED:	ICE9100L:	Per Unit	Power status, Speed (2 LEDs)
		Per Port	LNK/ACT, FDX/COL (2 LEDs)
	ICE 9200L:	Per Unit	Power status (1 LED)
		Per Port	SDA or SDB (1 LED)

Ethernet Standards:

ICE9100L: IEEE 802.3 10Base-T,
IEEE 802.3u 100Base-TX, 100Base-FX

ICE9200L: IEEE 802.3u 100Base-FX

Cable:

10Base-T: 2-pair UTP Cat.3, 4, 5, up to 100m (328ft)
100Base-TX: 2-pair UTP Cat.5, up to 100m (328ft)
100Base-FX: 62.5/125um Multi-mode fiber optic cable, up to 2km
10/125um Single-mode fiber optic cable, up to 40km

Forwarding Rate:

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

Physical Specification

Power: 12-48VDC Terminal Block, 0.71A Max, 10.6 Watt Max.

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

Storage Temperature -25°C ~85°C (-13°F ~185°F)

Humidity: 5%~95% non-condensing

Dimensions: W25mm x D70mm H110mm (0.99"x 2.76"x 4.33")

Net Weight: 0.2kg

Emissions 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/SC	10/100 BaseT to 100FX (SC, Multi-Mode) Media Converter for rugged environment (-10°C - +70°C)
ICE9100LS/SC30	10/100 BaseT to 100FX (SC, Single-Mode) Media Converter for rugged environment (-10°C - +70°C), Up to 30Km.
ICE9104LM/SC	4 x 10/100 BaseT + 100FX (SC, Multi-Mode) Switch for rugged environment (-10°C - +70°C)
ICE9104LS/SC30	4 x 10/100 BaseT to 100FX (SC, Single-Mode) Switch for rugged environment (-10°C - +70°C), Up to 30Km.

* WDM version converters are also available.