



## RUGGED ENVIRONMENT SOLUTIONS

Hardened Fast Ethernet Media Converter  
10/100-TX to 100-FX

ICE9100/9200

ICE

ICE9100 and ICE9200 are a series of media converters especially designed for working in rugged environment and out-door installation, supporting the temperature range of -34C° to 74C°. ICE9100 is a series of 10/100BaseTX to 100BaseFX auto negotiation media converters. ICE9200 is a series of 100BaseFX Multimode to Singlemode media converters. ICE9100/9200 Series are available in a wide range of fiber cabling and connector types. It supports SC, ST, VF-45, and MT-RJ connectors, available in multi-mode and single-mode of distances up to 40 km.



ICE91/2000

ICE9200 is also available in Singlemode to Singlemode for extending fiber reach. The ICE9100 /9200 provide a state of the art solution for the growing demand for fiber optic cabling deployment in rugged environments.

### Key features

- ICE 9100 Provides one port 10/100Base-T/TX auto-negotiation, Auto MDI-II/MDI-X with RJ-45 connector and One port 100BaseFX fiber connector
- ICE9200 provides two ports 100BaseFX connector
- DIP switch configuration for "Link-Loss-Forwarding" feature, speed, and half/full duplex mode settings
- Front panel status LEDs
- Non-blocking full wire-speed forwarding rate
- Store-and-forward mechanism.
- Support broadcast storm filtering
- Back-pressure & IEEE802.3x complaint flow control
- External power adapter
- 2048 MAC addresses
- Wall-mountable
- NEMA TS1/2 Certified

RUGGED SWITCHES

TECHAYA LTD.

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## Specifications

### Technical Specifications

#### LED

ICE9100	Per Unit .....	Power status, Speed (2 LEDs)
	Per Port .....	LNK/ACT, FDX/COL (2 LEDs)
ICE 9200	Per Unit .....	Power status (1 LED)
	Per Port .....	SDA or SDB (1 LED)

### Ethernet Standards

ICE9100	IEEE 802.3 .....	10Base-T
	IEEE 802.3u .....	100Base-TX, 100Base-FX
ICE9200	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 Specifications

Power	.....	External AC/DC required, 12VDC, 0.5A
Operating Temperature	.....	-34°C ~74°C (-30°F ~165°F)
Storage Temperature	.....	-45°C ~93°C (-50°F ~200°F)
Humidity	.....	10%~95% non-condensing
Dimensions	.....	W130mm x D110mm H30mm (5.12"x 4.30"x 1.18")
Net Weight	.....	0.8kg
Emissions Compliance	.....	CE & FCC

### Ordering Information

ICE9100MSC	.....	10/100 BaseT to 100FX (SC, Multi-Mode)
	.....	Media Converter for rugged environment
ICE9100MST	.....	10/100 BaseT to 100FX (ST, Multi-Mode)
	.....	Media Converter for rugged environment
ICE9100MMT	.....	10/100 BaseT to 100FX (MTRJ, Multi-Mode)
	.....	Media Converter for rugged environment
ICE9100MVF	.....	10/100 BaseT to 100FX (VF45, Multi-Mode)
	.....	Media Converter for rugged environment
ICE9100S15	.....	10/100 BaseT to 100FX (SC, Single-Mode -15KM)
	.....	Media Converter for rugged environment
ICE9100S40	.....	10/100 BaseT to 100FX (SC, Single-Mode -40KM)
	.....	Media Converter for rugged environment
ICE9200	.....	100Base-FX (SC/ST/MT-RJ/VF-45, Multi-Mode) To 100BaseFX
	.....	(SC, Single-Mode 15/40KM) Media Converter for rugged environment

\* WDM version converters are also available.

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