

## Key Highlights:

- Type: SFP
- Compatibility: Multi-Vendor MSA Compatible
- Media Type: Twisted Pair Cable
- Max. Distance: 100 m
- Data Rate: 10-100 Mbps
- Temperature: Industrial -40° to +85°C



## Optical Transceiver : 100M-SFP-FI

### Product Description:

100M-SFP-FI is a Multi-Vendor MSA Compatible RJ45 SFP (Small Form Factor Pluggable), which allows communications over the Cat5 unshielded twisted-pair, copper cable of link lengths up to 100 meters. Twisted pair cables are made up of two conductors from a single circuit that have been twisted together for the aim of increasing electromagnetic compatibility in a system. Aluminum foil shielding is now commonly used in cables to provide improved protection against neighboring pair crosstalk. The MSA 100M-SFP-FI compatible SFP module runs in the Industrial temperature range of -40° to +85°C and has an RJ45 standard connector. Modules typically consume 1 Watt per port. The transceiver is capable of data rates ranging from 10-100 Mbps and supporting applications such as 10BASE-T and 100BASE-T. The SFP transceiver is a multi-purpose module that can be used in a variety of places in today's networking environment. As a result, the most widely used applications are data centers for server switching, LANs, and uplinks, as well as direct connections to the desktop devices for high-speed Internet applications.

EDGE 100M-SFP-FI RJ45 SFP Transceiver is compliant with SFP MSA, SFF-8472, Class 1 FDA, and IEC60825-1 Laser



Safety standards. The Transceiver has received CE/RoHS approval and complies with product safety regulations. Consequently, it means that module is compatible with 80% of networking equipment, where is not implemented a special algorithm for protection against third party modules. However – we can provide SFP transceiver with custom-encoded firmware in order to make it work almost in any equipment. Therefore, we will be glad to know what your requirement is. Because our focus is providing top quality service, we are performing serious quality checks before delivery of our products. We'd be delighted to learn more about your requirements – Contact Us.

## Product Specification:

General parameter	Value
Media Type:	Copper
Connectors:	RJ45
Maximum Distance:	100 m
Supported Data Rate:	10/100 Mbps
Supported Applications:	10Base-T 100Base-T
Operating Temperature Range:	Industrial -40° to +85°C
Chipset	MAXIM, MINDSPEED, SEMTECH
Power:	+3.3V single power supply
Compliance:	CE, Class 1 FDA and IEC60825-1 Laser Safety Compliant, RoHS, SFF-8472, SFP MSA



## Compatibility:

EDGE Optical transceivers can be provided with custom-encoded firmware, in order to provide compatibility with more than 100 vendor brands in data and telecom communications industry:

**MS** - General MSA

**AD** - ADVA

**AE** - Advantech

**AL** - Alcatel (Nokia)

**AT** - Allied Telesis

**AR** - Arista

**AS** - Arris

**AV** - Avaya

**BC** - Barracuda

**BR** - Broadcom

**QL** - Cavium (Qlogic)

**CR** - Ceragon

**CP** - Checkpoint

**CH** - Chelsio

**CN** - Ciena

**CI** - Cisco

**LI** - Cisco (Linksys)

**CE** - Comnet

**CO** - Coriant

**DH** - Dahua

**DC** - DCN

**DL** - Dell & Force10

**DK** - D-Link

**DZ** - DZS(Dasan-Zhone)

**EI** - ECI

**EC** - EdgeCore

**EW** - EdgeWare

**EL** - Eltex

**EM** - EMC2

**EN** - Enterasys

**ER** - Ericsson

**EF** - EXFO

**EX** - Extreme Networks

**F5** - F5 Networks

**FI** - Finisar

**FO** - Fortinet

**FU** - Fujitsu

**H3** - H3C

**HI** - Hirschmann

**HU** - Huawei

**IB** - IBM

**IF** - Infinera

**IN** - Intel

**IX** - Ixia

**JU** - Juniper Networks

**KM** - KeyMile

**KY** - KyLand

**LN** - Lenovo

**ML** - Mellanox

**ME** - Meraki (Cisco)

**MT** - MikroTik

**MO** - Moxa

**MR** - MRV

**NC** - NEC

**NG** - Netgear

**NK** - Nokia

**NT** - Nortel

**NS** - NSN

**OR** - Oracle

**PA** - Palo Alto Network

**PL** - Planet

**QC** - QCT(Quanta)

**QN** - QNAP

**RD** - RAD

**RW** - RadWare

**RC** - Raisecom

**RK** - Ruckus

**RU** - Ruijie Networks

**SG** - Samsung

**SV** - Sandvine

**SC** - Silicom

**SF** - SolarFlare

**SW** - Sonicwall

**SM** - Supermicro

**SY** - Synology

**TC** - Telco Systems

**TP** - TP-LINK

**TN** - Trendnet

**UN** - Ubiquiti Networks

**VX** - VeEx

**WG** - WatchGuard

**WS** - Waystream

**WT** - Westermo

**ZT** - ZTE

**ZX** - Zyxel

**HP** - HP

**AG** - Avago

**OC** - Oclaro

**EU** - Emulex

**TM** - Transmode

**AU** - HP Aruba

**XX** - Other

## Warranty:

EDGE Optic's provides a limited **warranty for sixty (60) months** from Purchaser's receipt of the Equipment represented in this data sheet against defective design or workmanship. Warranty does not cover damage caused by improper deployment, misuse and accidents.

