

## Key Highlights:

- Type: SFP
- Compatibility: Multi-Vendor MSA Compatible
- Tx/Rx Wavelength: 1310 nm / 1310 nm
- Media Type: Multi-Mode Fiber (MMF)
- Optical Budget: 11 dB
- Max. Distance: 2 km
- Data Rate: 100-155Mbps
- Temperature: Industrial -40° to +85°C



## Optical Transceiver : 155M-SFP-2DI

### Product Description:

155M-SFP-2DI is Multi-Vendor MSA Compatible SFP (Small Form factor Pluggable) Transceiver, operating over Double Fiber Multi-Mode Fiber (MMF) optical cable. It has minimum guaranteed optical budget of 11 dB, with in most cases is enough to reach about 2 km distance. However, distance is just indicative parameter calculated for comfort of identification. Eventually we calculate distance taking in account minimal optical budget and average attenuation of optical cabling in industry. This transceiver use top quality FP Laser transmitter with operating at nominal wavelength 1310 nm and 1310 nm PIN Photodiode receiver. It support DDM/DOM optical diagnostics, with provide diagnostic information about the present operating conditions. 155M-SFP-2DI operates in Industrial 40° to +85°C temperature range and has Double LC interface. The EDGE SFP supports 100-155Mbps data rate and such applications as 100M Ethernet (100Mbps) and STM-1 (155Mbps). 155M-SFP-2DI SFP Double Fiber optical transceiver is multi-purpose module used in number of different places of today's networking. Consequently, most popular applications are Enterprise network Fast Ethernet Links, ISP FTTH Networking Fast ethernet Links, SONET/SDH STM-1 Links and other optical links.



Transceiver is CE/RoHS certified and it is Compliant with product safety standards. The 155M-SFP-2DI SFP Transceiver is fully compliant to SFP Multi Source Agreement INF-8074i. 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. As a result, we do optical parameter measurements, connector cleanness tests and SFP transceiver EEPROM memory data validation tests – Contact us.

## Product Specification:

General parameter	Value
Media Type:	Single-Mode Fiber (SMF)
Connectors:	Double LC
TX Wavelength:	1310 nm
RX Wavelength:	1310 nm
Minimum Optical Budget:	11 dB
Maximum Distance:	2 km
Supported Data Rate:	100 - 155 Mbps
Supported Applications:	100G Ethernet (103.125Gbps) STM-1 (155 Mbps)
Temperature Range:	Industrial -40° to 85°C
DDM/DOM:	Supported
Tx Wavelength Bandwidth:	100 nm (1260-1360 nm)
Rx Wavelength Bandwidth:	100 nm (1260-1360 nm)
Transmitting Power (Min/Max):	-19/-14 dB
Receiver Sensitivity:	-30 dB
Receiver Overload:	-3 dB
Dispersion:	100 - 110 ps/nm
Laser:	FP Laser



General parameter	Value
Receiver Type:	PIN Photodiode
Chip:	SAMTECH/ MAXIM/ MINDSPEED
Power:	3.3V single power supply
Compliance:	SFP MSA, Class 1 FDA and IEC60825-1 Laser Safety Compliant, RoHS, CE

## 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.

