edge
OPTICAL SOLUTIONS

Product Data Sheet

Key Highlights:

- **Type:** RJ45 SFP
- **Compitability:** Multi-Vendor MSA Compatible
- **Media Type:** Twisted Pair Cable
- **Max. Distance:** 30m
- **Data Rate:** 1000Mbps -10Gbps
- **Temperature:** Standard 0° to 70°C

Optical Transceiver : 10G-SFP-T

Product Description:

10G-SFP-T is Multi-Vendor MSA Compatible 10G Copper SFP (Small Form-factor Pluggable) Transceiver, operating over twisted pair Category 5e or better cable with maximum distance up to 30m. 10G-SFP-T operates in Standard 0° to 70°C temperature range and has RJ45 Standard connector. 10G Copper SFP module support 1000 Mbps to 10 Gbps data rate and such applications as 10GBASE-T, 5GBASE-T, 2.5GBASE-T, 1000BASE-T. 10G Copper SFP transceiver is multi-purpose module used in number of different places of today's networking. Consequently, most popular applications are Enterprise networking for LAN applications, Datacenters, Servers, Storage Appliance, WIFI Access Point interconnections and aggregation and other networking places using copper infrastructure.

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10G Copper SFP Transceiver is CE/RoHS certified and it is Compliant with product safety standards. 10G Copper SFP Transceiver is fully compliant to SFP Multi Source Agreement INF-8074i, IEEE 802.3ae, IEEE 802.3an, IEEE 802.3bz NBASE-T and MGBASE-T. 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 – our technical team has accumulated deep expertise in custom-encoded firmware's for 10G Copper SFP transceiver in order to make it work in almost any brand equipment. We will be glad to know your requirements.

Product Specification:

General parameter	Value
Media Type:	Copper
Connectors:	RJ45
Maximum Distance:	30 m (CAT6a/CAT7)
Supported Data Rate:	1000 Mbps to 10 Gbps
Supported Applications:	10GBASE-T, 5GBASE-T, 2.5GBASE-T, 1000BASE-T
Operating Temperature Range:	Standard 0° to 70°C
Storage Temperature Range:	- 45° to 85°C
Chipset:	MAXIM, MINDSPEED, SEMTECH, UX
Power Supply Voltage Typical:	+3.3V single power supply
Compliance:	CE, INF-8074i, RoHS, SFP MSA, IEEE 802.3ae, IEEE 802.3an, IEEE 802.3bz NBASE-T and MGBASE-T

Product Data Sheet

Compatibility:

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

MS - General MSA	**DZ** - DZS(Dasan-Zhone)	**KY** - KyLand	**SV** - Sandvine
AD - ADVA	**EI** - ECI	**LN** - Lenovo	**SC** - Silicom
AE - Advantech	**EC** - EdgeCore	**ML** - Mellanox	**SF** - SolarFlare
AL - Alcatel (Nokia)	**EW** - EdgeWare	**ME** - Meraki (Cisco)	**SW** - Sonicwall
AT - Allied Telesis	**EL** - Eltex	**MT** - MikroTik	**SM** - Supermicro
AR - Arista	**EM** - EMC2	**MO** - Moxa	**SY** - Synology
AS - Arris	**EN** - Enterasys	**MR** - MRV	**TC** - Telco Systems
AV - Avaya	**ER** - Ericsson	**NC** - NEC	**TP** - TP-LINK
BC - Barracuda	**EF** - EXFO	**NG** - Netgear	**TN** - Trendnet
BR - Broadcom	**EX** - Extreme Networks	**NK** - Nokia	**UN** - Ubiquiti Networks
QL - Cavium (Qlogic)	**F5** - F5 Networks	**NT** - Nortel	**VX** - VeEx
CR- Ceragon	**FI** - Finisar	**NS** - NSN	**WG** - WatchGuard
CP - Checkpoint	**FO** - Fortinet	**OR** - Oracle	**WS** - Waystream
CH - Chelsio	**FU** - Fujitsu	**PA** - Palo Alto Network	**WT** - Westermo
CN - Ciena	**H3** - H3C	**PL** - Planet	**ZT** - ZTE
CI - Cisco	**HI** - Hirschmann	**QC** - QCT(Quanta)	**ZX** - Zyxel
LI - Cisco (Linksys)	**HU** - Huawei	**QN** - QNAP	**HP** - HP
CE - Comnet	**IB** - IBM	**RD** - RAD	**AG** - Avago
CO - Coriant	**IF** - Infinera	**RW** - RadWare	**OC** - Oclaro
DH - Dahua	**IN** - Intel	**RC** - Raisecom	**EU** - Emulex
DC - DCN	**IX** - Ixia	**RK** - Ruckus	**TM** - Transmode
DL - Dell & Force10	**JU** - Juniper Networks	**RU** - Ruijie Networks	**AU** - HP Aruba
DK - D-Link	**KM** - KeyMile	**SG** - Samsung	**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.

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