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OPTICAL SOLUTIONS

PRODUCT DATA SHEET

Optical Transceiver: 1.25G-GBIC-80

Description:

1.25G-GBIC-80 is multi-vendor compatible GBIC Transceiver module, operating over double fiber single-mode optical cable with maximum distance 80 km. 1.25G-GBIC-80 uses 1550nm transmitting DFB laser and 1550nm PIN receiver and supports 1.063-1.25Gbps data rates.

1.25G-GBIC-80 GBIC Transceiver is fully compliant to GBIC Multi Source Agreement SFF-8053 and it can be provided with custom-encoded firmware, in order to provide compatibility of most equipment vendors platforms in data communications industry.

Key Highlights:

- Type: GBIC
- Tx/Rx Wavelength: 1550/1550 nm
- Media Type: Single-Mode Fiber
- Optical Budget: 24 dB
- Max. Distance: 80 km
- Data Rate: 1.063-1.25Gbps
- Temperature: Standard 0°-70°C

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TECHNICAL SPECIFICATION

Parameter	Value
Product Type:	1.25G-GBIC-80
Media Type:	Single-Mode Fiber
TX Wavelength:	1550 nm
RX Wavelength:	1550 nm
Minimum Optical Budget:	24 dB
Maximum Distance:	80 km
Supported Data Rate:	1.063-1.25Gbps
Supported Applications:	• 1G Eth (1.25Gbps) • 1G FC (1.063Gbps)
DDM/DOM:	Not Supported
Temperature Range:	Standard 0°-70°C
Connectors:	Double LC
Tx Wavelength Bandwidth:	37 nm (1528-1565 nm)
Rx Wavelength Bandwidth:	37 nm (1528-1565 nm)
Transmitting Power (Min/Max):	0/5 dB
Receiver Sensitivity:	-24 dB
Receiver Overload:	-3 dB
Dispersion:	1600 ps/nm
Laser:	DFB
Receiver Type:	PIN
Chip:	SEMTECH/UX
Power:	+3.3V single power supply
Compliance:	• GBIC MSA, • SFF-8053, • IEEE STD 802.3, • RoHS, CE, • Class 1 FDA • IEC60825-1 Laser Safety Compliant

Compatibility

EDGE Optical transceivers can be provided with custom-encoded firmware, in order to provide compatibility with more then 50 vendor brands in data and telecom communications industry:

MS - General MSA	**ER** - Ericsson	**IN** - Intel	**RD** - RAD
AD - ADVA	**EX** - Extreme Networks	**JU** - Juniper Networks	**RU** - Ruijie Networks
AL - Alcatel-Lucent	**F5** - F5 Networks	**LI** - Linksys	**SM** - Supermicro
AR - Arista	**FO** - Fortinet	**ML** - Mellanox	**SY** - Synology
AV - Avaya	**FU** - Fujitsu	**ME** - Meraki (Cisco)	**TC** - Telco Systems
BR - Brocade	**H3** - H3C	**MT** - MikroTik	**TP** - TP-LINK
CN - Ciena	**HI** - Hirschmann	**MO** - Moxa	**TN** - Trendnet
CI - Cisco	**HP*** - HP Networking	**MR** - MRV	**WG** - WatchGuard
DL - Dell & Force10	**HS*** - HP Storage	**NG** - Netgear	**ZT** - ZTE
DK - D-Link	**HU** - Huawei	**NS** - NSN	**XX** - Other
EM - EMC2	**IB** - IBM	**PA** - Palo Alto Network	
ET - Enterasys	**IF** - Infinera	**QL** - Qlogic	

* - Please note HP compatible module prices can be higher then prices indicated in this material due to special requirements in coding. If you require HP compatibility, for exact pricing please contact our sales team: sales@edgeoptic.com

Product Quality

We focus on strict product quality tests before each delivery, performing optical parameter tests, connector cleanliness tests and firmware verification tests to ensure our delivered products fully meets the promised product technical specification and compatibility requirements.

EDGE Optical transceivers are CE, ROHS certified and have passed Telecordia reliability tests.

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.