

10G-SFP-110

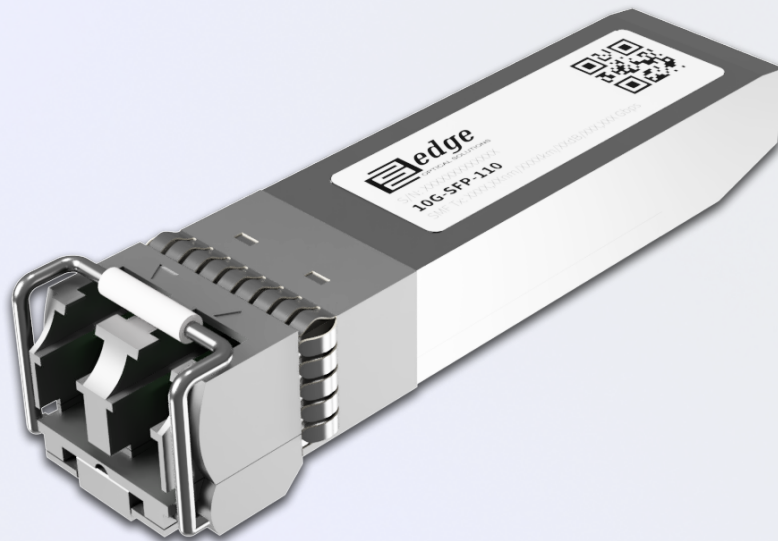
Optical Transceivers

 $\lambda = 1550 \text{ nm}$ 

Fiber Type: OS2



Double LC



OB 27 dB



Max 110 km



2200 ps/nm

 $PC \leq 2.2W$

Product description

10G-SFP-110 is Multi-Vendor MSA Compatible SFP+ (Small Form factor Pluggable) Transceiver, operating over Double Fiber Single-Mode Fiber (SMF) optical cable. It has minimum guaranteed optical budget of 27 dB, with in most cases is enough to reach about 110 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 CML Laser transmitter with operating at nominal wavelength 1550 nm. and 1550 nm. APD Photodiode receiver. It support DDM/DOM optical diagnostics, with provide diagnostic information about the present operating conditions. 10G-SFP-110 operates in Standard 0°-70°C temperature range and has Double LC interface. SFP+ support 1.25-11.32 Gbps data rate and such applications as 10G Ethernet (11.32Gbps)|Gigabit Ethernet (1.25 Gbps)|STM-64 (9.95Gbps). 10G-SFP-110 SFP+ Double Fiber optical transceiver is multi-purpose module used in number of different places of today's networking. Consequently, most popular applications are Internet Service Provider (ISP) Fiber To The Home routing and switching equipment, Mobile operator core and backhaul SDH/SONET applications, Data Center networking for Ethernet connections and other optical links.

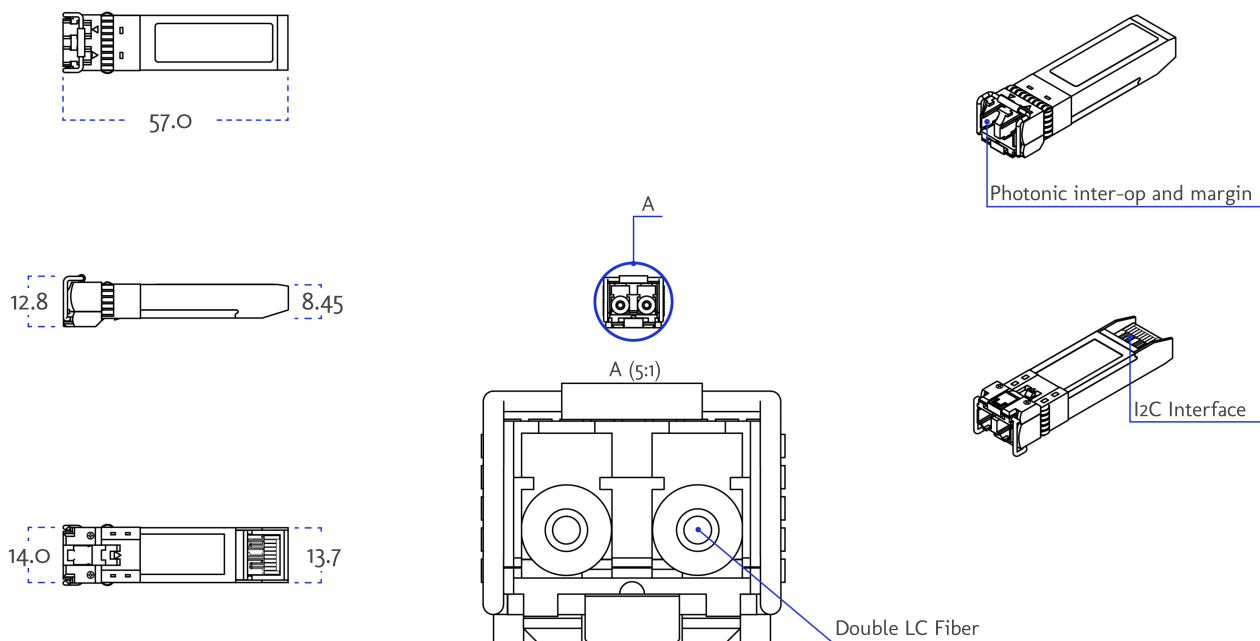
Transceiver is CE/RoHS certified and it is Compliant with product safety standards. 10G-SFP-110 SFP+ Transceiver is fully compliant to SFP+ Multi Source Agreement SFF-8431. Consequently, it means that module is compatible with 80% of networking equipment, where is not implemented a special algorithm 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.

Product Specification:

Media Type:	Single-Mode Fiber (SMF)
Connectors:	Double LC
TX Wavelength:	1550 nm
RX Wavelength:	1550 nm
Minimum Optical Budget:	27 dB
Maximum Distance:	110 km
Supported Data Rate:	1.25-11.32 Gbps
Supported Applications:	10G Ethernet (11.32 Gbps) and Gigabit Ethernet (1.25 Gbps), STM-64 (9.95 Gbps)
DDM/DOM:	Supported
Dispersion:	2200 ps/nm
Transmitter Type:	CML Laser
Tx Wavelength Bandwidth:	35 nm (1530-1565 nm)
Average Launch Power (Min) Each Lane:	1 dBm
Average Launch Power (Max) Each Lane:	5 dBm
Extinction Ratio (Min):	8.2 dB
Receiver Type:	ADP Photodiode
Rx Wavelength Bandwidth:	35 nm (1530-1565 nm)
Avg Receiver Sensitivity(Min)Each Lane:	-26 dBm
Avg Receiver Sensitivity(Max)Each Lane:	-7 dBm
Receiver Overload:	-7 dBm
Temperature Range:	Standard 0°-70°C
Storage Temperature:	-40° to 85°C
Relative Humidity:	5 to 85%
Power Consumption:	≤2.2W
Power:	3.3V
Compliance:	CE, Class 1 FDA and IEC60825-1 Laser Safety Compliance, RoHS, SFF-8431, SFP MSA

Mechanical Dimensions

*The dimensions are given in millimetres [mm]



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.

