Luminex
NETWORK INTELLIGENCE

PRODUCT SPECIFICATIONS

Luminex 1G/10GBase Multi Mode Fiber Tranceiver

Description: Technical specifications Luminex 1G/10GBase Multi Mode Fiber Tranceiver

MADE IN BELGIUM

Luminex 1G/10GBase Multi Mode Fiber Tranceiver

This multi mode fiber (MMF) SFP+ transceiver provides dual rate 1G/10GBase-SR throughput to up to 300m making use of a wavelenght of 850nm over a duplex LC connector.

This easy to install and hot pluggable/swapable transceiver is programmed and tested to be fully compatible with the real time analytics and diagnostics functions built into GigaCore and Araneo and is compliant with IEEE 802.3ah specification.
Its wide temperature range ensures reliable operation in the most diverse applications.

ORDERING INFORMATION	
Product name:	Part number:
Luminex 1G/10GBase Multi Mode Fiber Tranceiver	**LU 90 01151**

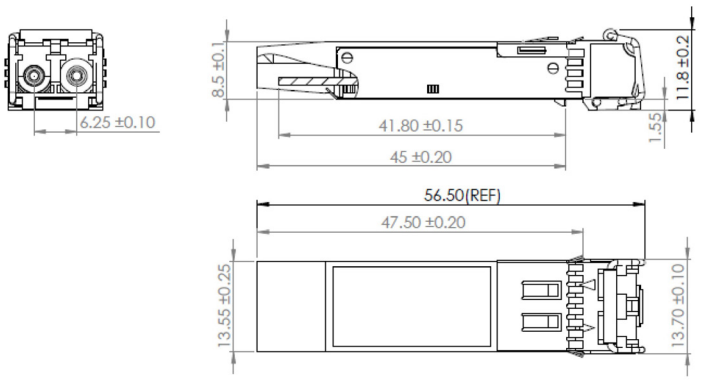
Technical Specifications

Features						
SFF-8432 compliant						
SFF-8472 compliant						
TAA compliant						
Duplex LC connector						
Multi Mode Fiber						
Hot pluggable						
Remote diagnostics with Araneo						
Industrial temperature range						
Environmental						
Operating temperature	-40°C to 85°C					
Storage temperature	-40°C to 85°C					
Humidity	5-85% RH					
Connectivity						
	Duplex LC connector					
Maximum bitrate						
	11,13Gbps					
Regulatory compliance						
ESD to electrical pins: Compatible with MIL-STD-833E Method 3015.4						
ESD to LC receptacle: Compatible with IEC 61000-4-3						
EMI/EMC: Compatible with FCC Part 15 Subpart B EN55022:2210						
Laser Eye Safety: Compatible with FDA21CFR, EN60950-1, EN (IEC) 60825-1,2						
RoHS: Compliant with EU RoHS 2.0 directive 2015/863/EU						
Optical Characteristics						
Transmit	**Symbol**	**Min.**	**Typ.**	**Max.**	**Units**	**Comments**
Optical power (avg.)	P_{AVE}	-7,3		-1,2	dBm	Coupled in multi mode fiber
Optical Modulation Amplitude (OMA)	P_{OMA}	-1,5			dBm	Per IEEE 802,3ah specification
Optical wavelength	Tλ	840	850	860	nm	
Receive						
Sensitivity (avg.)	R_{AVE}			-9,9	dBm	Avg power back to back, @10,31Gbps, BER $1E^{-12}$,PRBS 2^{31}-1
Senitivity (OMA)	R_{OMA}			-11,1	dBm	Per IEEE 802,3ah specification
Receiver wavelength	Rλ	840		860	nm	
Receiver overload	P_{MAX}	1			dBm	Exceeding receiver overload can damage the module Adequate attenuation is needed

Technical Specifications

Mechanical

Compatible with MSA (SFP Multi Sourcing Agreement)



Dimensions (mm)	56,2 x 13,4 x 8,5
weight (g)	18
Housing material	Metal
Packaged weight (g)	32
Packaged Dimensions(mm)	115x20x45