

PRODUCT SPECIFICATIONS

Luminex 40GBase Single Mode Fiber Transceiver

Description: Technical specifications Luminex 40GBase Single Mode Fiber Transceiver.

Luminex reserves the right to modify the technical specifications at any given time without prior notice.
No rights can be claimed from these specifications.



MADE IN BELGIUM



Luminex 40GBase Single Mode Fiber Transceiver

This single mode fiber (SMF) QSFP transceiver provides 40GBase-LR throughput to up to 10km making use of a nominal wavelength of 1330nm 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 802.3ba specification.

Its wide temperature range ensures reliable operation in the most diverse applications.

ORDERING INFORMATION	
Product name:	Part number:
Luminex 40GBase Single Mode Fiber Transceiver	LU 90 01201



Technical Specifications

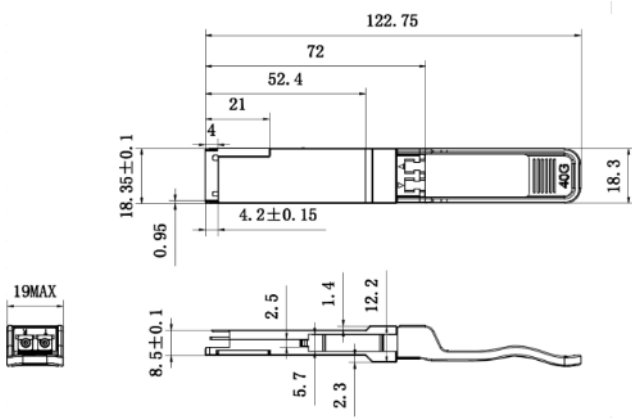
Features						
SFF-8436 compliant						
TAA compliant						
Duplex LC connector						
Single Mode Fiber						
Hot pluggable						
Remote diagnostics with Araneo						
Industrial temperature range						
Environmental						
Operating temperature	-40°C to 85°C					
Storage temperature	-40°C to 85°C					
Humidity	5-85% RH					
Connectivity						
	Duplex LC connector					
Maximum bitrate						
	42Gbps					
Regulatory compliance						
EMI/EMC: EN55032:2015+A1:2020+A11:2020						
EN55035:2017+A11:2020						
ENIEC61000-3-2:2019/A1:2021						
EN61000-3-3:2013+A1:2019						
FCC Part 15, Subpart B:2016						
Laser Eye Safety: Compatible with FDA21CFR, IEC 60825-1						
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		2,3	dBm	
Optical Modulation Amplitude (OMA)	P_{OMA}	-4		3,5	dBm	
Optical wavelength	$T\lambda$	1264,5	1271	1277,5	nm	
		1284,5	1291	1297,5		
		1304,5	1311	1317,5		
		1324,5	1331	1337,5		
Receive						
Sensitivity (avg.)	R_{AVE}			-11,5	dBm	
Receiver wavelength	$R\lambda$	1264,5	1271	1277,5	nm	
		1284,5	1291	1297,5		
		1304,5	1311	1317,5		
		1324,5	1331	1337,5		
Max. Receiver power	P_{IN}	3,4			dBm	



Technical Specifications

Mechanical

Compatible with MSA (SFP Multi Sourcing Agreement)



Dimensions (mm)	122.75 x 18,35 x 8,5
weight (g)	18
Housing material	Metal
Packaged weight (g)	32
Packaged Dimensions (mm)	--

