MIKROTIK



XS+31LC20D

A combined 1.25G SFP, 10G SFP+ and 25G SFP28 module for 20 km links.

This unit is a direct upgrade of our XS+31LC10D 10 km module: twice the distance for the same price. It supports 1G, 10G, and 25G connectivity while extending the reach from 10 km to 20 km – giving you more flexibility for longer-distance fiber links without changing the rest of the setup.

Specifications

Product code	XS+31LC20D
Format	SFP / SFP+ / SFP28
Connector	Dual LC UPC
Mode	Single Mode
Data Rate	1G / 10G / 25G
Wavelength	1310nm
Distance	20 km
Temperature	-40°C to +70°C
Max Power Consumption	1 W

Electrical characteristics	Min.	Max.	Unit	Note
Receiver				
Receiver differential output voltage	340	800	mVpp	1
LOS output Voltage-High	2.0	Vcc	V	2
LOS output Voltage-Low		0.8	V	2

1. Into 100Ω differential termination.
2. LOS is LVTTL. Logic 0 indicates normal operation; logic 1 indicates no signal detected.

Optical characteristics	Min.	Max.	Unit	Note
Transmitter				
Output power	-3	2	dBm	1
Receiver				
Receiver sensitivity (OMA)		-14	dBm	2
LOS-Deasserted (Avg.)		-15	dBm	
LOS-Asserted (Avg.)	-30		dBm	
LOS-Hysteresis	0.5	5	dB	

1. The optical power is launched into SMF.
2. Measured with a PRBS 2^31-1 test pattern,25.78G@BER=5E-5.