

This product is a 100Gb/s transceiver module designed for optical communication applications compliant to 100GBASE-ER4 of the IEEE P802.3ba standard. The module converts 4 input channels of 25Gb/s electrical data to 4 channels of LAN WDM optical signals and then multiplexes them into a single channel for 100Gb/s optical transmission. Reversely on the receiver side, the module de-multiplexes a 100Gb/s optical input into 4 channels of LAN WDM optical signals and then converts them to 4 output channels of electrical data.

The central wavelengths of the 4 LAN WDM channels are 1295.56, 1300.05, 1304.58 and 1309.14 nm as members of the LAN WDM wavelength grid defined in IEEE 802.3ba. The high performance cooled LAN WDM EML transmitters and high sensitivity APD receivers provide superior performance for 100Gigabit Ethernet applications up to 40km links.



Standard Parts

No.	Name	Model	DR (Gbps)	TX (Type)	RX (Type)	TX_Min (dBm)	TX_Max (dBm)	RX_Min (dBm)	RX_Max (dBm)	Power Consumption (W)	Reach (km)	Temperature (°C)
1	100G QSFP28 ER4	RQDFL4EN	100	EML LWDM	APD	-2.9	2.9	-21	-4.5	<4.5	40	0~70