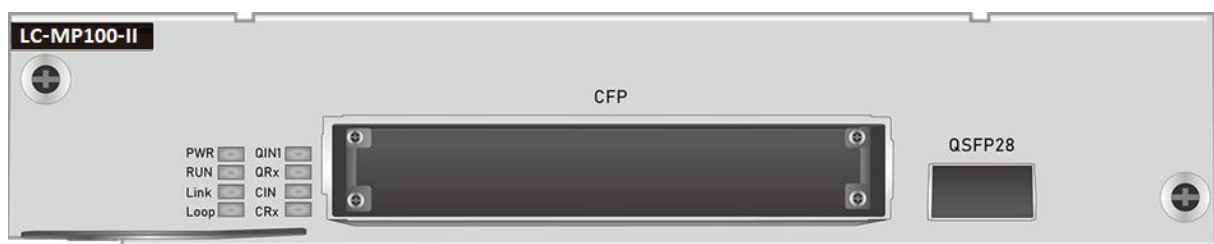




100G Transponder/Converter

LC-MP100-II

The 100G OTN Transmitter supports one QSFP28 client interface and one CFP line-side interface to support single-channel 100Gbps large-grain data transfers. The industry's most advanced coherent technology and FEC forward error correction coding technology enable high-capacity, long-distance high-performance transmission.



Function

- Media conversion
- Signal repeating
- Lambda conversion

Highlight

- Support single channel 100Gbps
- Client side: QSFP28 module
- Line side: CFP 100Gbps coherent module;
- Ultra-long-distance transmission: FEC technology can be used to achieve 1500km transmission without regeneration
- Large dispersion tolerance: 40000ps.nm
- Support port loopback test
- Support 80 channel wavelength tunable

DWDM.ME's 100G Transponder includes integrated OTN FEC capability on the transponder, allowing operation over longer distances or in applications requiring ultra-low bit error rates.

The 100Gbps Transponders offer a choice of pluggable QSFP28 Client side optics and CFP Coherent DWDM line side optics based on distance and capacity requirements.

The Coherent DWDM Optics are the most technologically advanced and offer benefits on dispersion management, signal reach, and other optical properties. Coherent DWDM Optics can greatly increase the capacity and reach of an optical network. The 100G Transponder models fit for MU Series MU-70-ACDC, MU-180-ACDC, MU-380-ACDC Chassis.

Performance Parameter

System Parameters		Technical Indicators
Center Wavelength		DWDM 1529.5~1565.50nm
Data Rate (Gbps)		100Gbps
100G Interface	Client Side	QSFP28 module
	Line Side	CFP 100Gbps coherent module
FEC (Gain, Delay, BER Threshold)	GFEC	6.2dB, 1.2 μ s, 8.5e-2
	100GE-SDFEC-LOW-LATENCY-SD2	10.6dB, 9.4 μ s, 1.40e-2
	100GE-SDFEC-LH-SD2	9.4dB, 7.9 μ s, 1.01e-2
	100GE-SDFEC-LOW-LATENCY-SD0	10.8dB, 9.4 μ s, 1.56e-2
NMS		TELNET, SNMP, WEB
Size		191 (W) x 253 (D) x 42 (H) mm
Environment	Operating Temperature	-10 $^{\circ}$ C ~ 60 $^{\circ}$ C
	Storage Temperature	-40 $^{\circ}$ C ~ 80 $^{\circ}$ C
	Relative Humidity	5% ~ 95% Non-condensing
Power Consumption		\leq 50W

Ordering Information

Model	Function	Protocols	Client Side	Line Side
LC-MP100-II	Coherent 100G Transponder	LAN or WAN PHY: 100Gbps	QSFP28	CFP-DCO

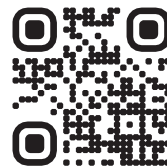


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