



# LinkX<sup>®</sup> Active Optical Cables and Transceivers Overview



Mellanox LinkX optical cables and transceivers make 100Gb/s deployments as easy as 10Gb/s. A wide range of products supports Ethernet and InfiniBand (IB) applications with reaches from 3m to 10km.

In addition to meeting or exceeding IBTA and IEEE standards, LinkX certified products are 100% tested on Mellanox equipment to ensure optimal signal integrity and the best end-to-end performance.

With Mellanox optical cables and transceivers, you will experience troublefree installation and long-term operation.

Table 1 - Optical Transceivers

Form Factor	Part Number	Application	Connector	Max. Reach	Wavelength
QSFP56	MMA1T00-VS	200GbE SR4	MPO	100m	850nm
QSFP28	MMA1B00-C100D	100GbE SR4	MPO	100m	850nm
	MMA1B00-C100C	100GbE SR4 CPRI	MPO	100m	
	MMS1C10-CM	100GbE PSM4	MPO	500m	
	MMA1L10-CR	100GbE LR4	LC-LC	10km	1310nm
	MMA1L30-CM	100GbE CWDM4	LC-LC	2km	
QSFP+	MMA1B00-B150D	40GbE SR4, DDMI	MPO	150m	850nm
	MC2210411-SR4	40GbE, InfiniBand FDR10 SR4	MPO	150m	850nm
	MC2210511-LR4	40GbE, InfiniBand FDR10 LR4	LC-LC	10km	1310nm
	MC2207411-SR4L	InfiniBand FDR SR4L	MPO	30m	850nm
	MC2210411-SR4E	40GbE SR4E	MPO	300m	850nm
	MC2210411-SR4L	40GbE SR4L	MPO	30m	850nm
SFP28	MMA2L20-AR	25GbE LR	LC-LC	10km	1310nm
	MMA2P00-AS	25GbE SR	LC-LC	100m	850nm
SFP+	MFM1T02A-LR	10GbE LR	LC-LC	10km	1310nm
	MFM1T02A-SR	10GbE SR	LC-LC	300m	850nm
SFP	MC3208011-SX	1GbE SX	LC-LC	500m	850nm
	MC3208411-T	1GbE Base-T	RJ-45	100m	NA

Table 2 - Active Optical Cables

Form Factor	Part Number	Application	Max. Length
QSFP56	MFS1S50-HxxxE	InfiniBand HDR, 200Gb/s to 2x100Gb/s	30m
	MFS1S00-HxxxE	InfiniBand HDR (200G)	100m
	MFS1S00-VxxxE	200GbE	100m
QSFP28	MFA7A20-Cxxx	100GbE to 2x50GbE	20m
	MFA7A50-Cxxx	100GbE to 4x25GbE	30m
	MFA1A00-Exxx	InfiniBand EDR (100G)	100m
	MFA1A00-Cxxx	100GbE	100m

## HIGHLIGHTS

- Low power consumption
- Compliant with SFF MSA
- Low insertion loss
- BER better than 1E-15
- Tested in Mellanox's end-to-end environment
- RoHS compliant

Table 2 - Active Optical Cables (cont).

Form Factor	Part Number	Application	Max. Length
QSFP+	MC220731V-xxx	InfiniBand FDR	100m
	MC2207312-xxx	InfiniBand FDR	300m
	MC2210310-xxx	40GbE	100m
	MC2206310-xxx	InfiniBand QDR, FDR10	100m
SFP28	MFA2P10-Axxx	25GbE	100m

Table 3 - Passive Optical Cables

Form Factor	Part Number	Fiber Type	Max. Length
MPO to 4xLC-LC	MC6709309-xxx	MMF	50m
MPO to 2xMPO	MFP7E00-Cxxx	MMF	20m

Table 4 - Accessories

Form Factor	Part Number	Application
QSFP+	MAM1Q00A-QSA	QSFP+ to SFP+
QSFP28	MAM1Q00A-QSA28	QSFP28 to SFP28

For detailed information, please see each product's specific product brief.

## Warranty Information

Mellanox LinkX active optical cables and transceivers include a 1 year limited hardware warranty, which covers parts repair or replacement.