

# Mellanox MC2210511-LR4 Datasheet



Mellanox MC2210511-LR4 40GBASE-LR4 QSFP+ 1310nm 10km DOM Duplex LC SMF Optical Transceiver Module

MC2210511-LR4

NVIDIA MC2210511-LR4 Optical Transceiver 40Gb/s FDR10 QSFP LC-LC 1310nm LR4 up to 10km

40Gb/s QSFP+ SMF Optical Transceiver

The NVIDIA MC2210511-LR4 is a single mode module with four coarse wavelength division multiplexed (CWDM) channels, pluggable, QSFP+ optical transceiver, designed for use in 40Gb/s applications. This module incorporates CWDM DFB lasers and high sensitivity PIN receivers providing superior performance for 40GbE Ethernet applications up to 10km links and is compliant to optical interface with IEEE 802.3ba 40GBASE-LR4 and to SFF-8685. The transceiver operates over single mode fiber, using a nominal wavelength of 1310nm, and is SFF-8636 compliant.

Rigorous production testing ensures the best out-of-the-box installation experience, performance, and durability.

## Highlights

- Up to 40Gb/s
- Single 3.3V supply voltage
- Less than 2.8W power consumption
- SFF-8685 compliant
- Operating case temperature of 0-70C
- 3.3V power supply
- Low BER
- Hot pluggable
- Class 1 laser safety
- Maximum link length of 10km on single-mode fiber (SMF)
- CWDM DFB laser and PIN receiver
- Duplex LC receptacles
- Digital diagnostic monitoring (DDM)
- RoHS compliant
- IEEE 802.3ba 40GBASE-LR4 compliant
- SFF-8636 compliant I2C management interface

For more information of this NVIDIA Mellanox MC2210511-LR4, please visit NVIDIA website:

<https://store.nvidia.com/en-us/networking/store/product/MC2210511-LR4/NVIDIAMC2210511LR4OpticalTransceiver40GbsQSFPLCLR4/>

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