

Mellanox MC2210411-SR4E Datasheet



Mellanox MC2210411-SR4E 40GBASE-SR4E QSFP+ 850nm 400m DOM MTP/MPO-12 MMF Optical Transceiver Module

MC2210411-SR4E

NVIDIA MC2210411-SR4E Optical Transceiver 40Gb/s QSFP MPO 850nm up to 300m

40Gb/s QSFP+ MMF Optical Transceiver

NVIDIA MC2210411-SR4E is a 4-channel, pluggable, QSFP+, VCSEL-based (Vertical Cavity Surface Emitting Laser) optical transceiver designed for use in 40Gb/s networks operating at 4x10.3125Gb/s. This transceiver incorporates NVIDIA integrated circuit technology, which combines high performance at low power. The transceiver operates over parallel multi-mode fiber (MMF), using a nominal wavelength of 850nm, and is SFF-8436 compliant.

MC2210411-SR4E transceiver has a standard QSFP+ connector on the electrical side towards the host system for power, control/monitoring and high-speed data. The optical interface is composed of four optical channels/fibers in each direction, intended for a parallel MMF cable via a standard MPO connector. The transceiver can operate at 10.3125Gb/s without retiming.

The transceiver provides digital diagnostic monitoring of supply voltage, temperature, transmit/receive power, and VCSEL bias.

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

Highlights

- 40Gb/s Ethernet and FDR10
- Programmable Tx input equalizer
- Programmable Rx output amplitude
- Programmable Rx output emphasis
- SFF-8436 compliant QSFP+
- Single 3.3V supply
- QSFP+ power class 1
- Low BER
- Class 1 laser safety
- Up to 400m on OM4 and 300m on OM3 multi-mode fiber
- Digital diagnostic monitoring (DDM)
- Hot pluggable
- RoHS compliant
- IEEE 802.3 40GBASE-SR4 compliant
- SFF-8636 compliant I2C management interface

For more information of this NVIDIA Mellanox MC2210411-SR4E, please visit NVIDIA website:

<https://store.nvidia.com/en-us/networking/store/product/MC2210411-SR4E/NVIDIAMC2210411SR4EOpticalTransceiver40GbsQSFPMPO/>

[Buy Now](#)