

# Hybrid Passive Copper QSFP to 4x SFP+



Mellanox's hybrid QSFP+ to 4x SFP+ passive copper cables are 40Gb/s to 10Gb/s cable assemblies. The cables are compliant with SFF-8431 and SFF-8436 specifications and provide connectivity between devices using QSFP+ port on one end and multiple SFP+ ports on the other end. The cables use state-of-the-art signal processing technology to fill the expanding need for cost effective data center interconnects. Mellanox's unique quality passive copper cable solutions provide power-efficient replacement for active power connectivity such as fibre optic cables. The QSFP+ to 4x SFP+ cables provide 40GbE systems the ability to connect to 10GbE switches or adapter cards. Optimizing systems to operate with Mellanox's hybrid QSFP+ to 4x SFP+ passive copper cables significantly reduce power consumption and enlarge the connectivity opportunities of the system. Rigorous cable production testing ensures best out-of-the-box installation experience, performance and durability.



Table 1 - Cable Specifications and Ordering Information

Maximum Reach @ 10Gb/s (m)	Cable Diameter QSFP+/SFP+	Part Number
1	6.1mm/4.5mm	MC2609130-001
3	6.1mm/4.5mm	MC2609130-003
5	9.3mm/6mm	MC2609125-005

Table 2 - Absolute Maximum Ratings

Parameter	Parameter Range
Operating Voltage	3.3V
Operating Case Temperature	0°C to 70°C
Storage Ambient Temperature	-10°C to 75°C

## HIGHLIGHTS

- Low power consumption
- Compliant with SFF-8436
- Ultra low crosstalk for improved performance
- Low insertion loss
- BER Better than 10<sup>-15</sup>
- Serial numbers printed on each end
- Tested in an End-to-End environment
- Supporting Mellanox ETH switch system only

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