Wave2Wave.io
Cabling, Power, Connectivity - Simplified

OVERVIEW

High-Speed Copper Line

Wave2Wave's high-speed copper assemblies deliver premium, cost-efficient interconnect solutions for **10GbE and 40GbE applications**. Designed for data centers and OEM platforms, the **QSFP+ and SFP+** copper assemblies provide high port density, configuration flexibility, and optimal utilization — all while reducing power consumption and overall system cost.

Engineered for performance and reliability, these high-speed assemblies meet or exceed industry standards for **Gigabit Ethernet and Fiber Channel**, ensuring stable signal integrity, low latency, and dependable operation across demanding network environments.

Features & Benefits

- Supports Serial Data Rates of 10Gbps & 40Gbps
- 24AWG through 30AWG Cable Available
- Hot-pluggable
- Low power consumption
- EMI/EMC performance
- Compliant with MSA SFF-8431

10GbE
SFP+ Cables



40GbE
QSFP+ Cables



QSFP+ to SFP+
Breakout Cables



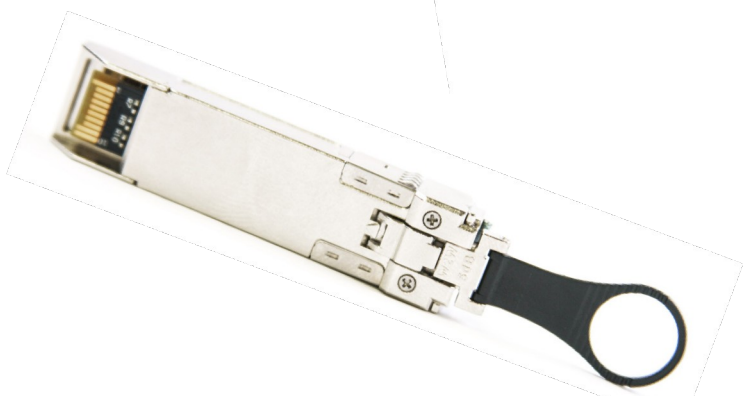
QSFP+
Loopbacks



SFP+
Loopbacks

Wave2Wave's **Passive Electrical Loopbacks** are designed for **testing SFP+, QSFP, and QSFP+ transceiver ports** during board-level validation. They offer a **low-loss, cost-effective method** to verify port functionality and signal integrity in both SFP+ and QSFP/QSFP+ interfaces.

Built in a **standard MSA-compliant housing**, each module ensures compatibility with all corresponding ports. Transmitted data from the host is **electrically routed back to the receiver**, providing a **reliable, efficient way** to test ports during **R&D, production, and field verification**.



1017 El Camino Real, Unit 448 Redwood City CA 94063 | info@wave2wave.io | +1 (866) 473-2701 | wave2wave.io
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