

Ready for NEXT generation

LEONI breakout assemblies QSFP+ to SFP+

- Supports up to 11.1 Gb/s per lane
- Compliant with SFF-8431 electrical interface specification
- Compliant with QSFP+ and SFP+ connector specifications
- Industry leading signal integrity
- Excellent EMI screening for entire assembly
- Superior strain relief and mechanical reliability

The LEONI breakout cable assemblies QSFP+ to SFP+ are designed to transfer data from four Small Form Factor Pluggable plus (SFP+) interconnects to one Quad Small Form Factor Pluggable plus (QSFP+) interconnect and vice versa. They are suitable for blade server or switch applications utilising QSFP+ and SFP+ interfaces. Each lane can support network protocols such as 10 Gb/s Ethernet, 8.5 Gb/s Fibre Channel and 10 Gb/s Fibre Channel.

The new breakout assemblies consist of one LEONI QSFP+ side and four LEONI SFP+ sides, providing the same outstanding NEXT loss (i.e., better than 45 dB at 5 GHz), insertion loss and EMI performance. Superior mechanical stability and reliability is achieved by a special overmolding of the breakout point. Constructed with ParaLink 11 cables, the assemblies offer greater than 10 percent lower insertion loss over competing products while reducing the outer jacket by 20 percent compared to the industry average thanks to the usage of the LEONIZELL dielectric technology.

The unique SFP+ plug design's key feature is a completely EMI optimised die cast housing with no open and/or emitting areas. The four SFP+ elements are twisted with braid to pass into one QSFP+ element seamlessly maintaining shielding performance. For safety and functionality the EMI spring fingers are firmly attached to the back shells. The innovative release mechanism incorporates an easy to use pull release. The inner and outer crimp rings provide electro-mechanical robustness with an integrated 360 degree braid and shield contact and superior cable retention performance and elimination of conductor pistoning.



LEONI

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