



Vi-Link

Fiber Optic Communications

Direct Active Cable 40G QSFP+ to QSFP+ DAC

Network Component Series

Model 40G-DAC

Features

- Compliant QSFP MSA specifications*
- Fully compatible with IEEE802.3ba and InfiniBand QDR specifications*
- 40 Gb/s total bandwidth*
- 4 independent duplex channels operating at 10Gbps, also support for 2.5Gbps, 5Gbps data rates*
- 100 ohm differential impedance system*
- Single 3.3V power supply, low power consumption, <1.5W*
- Low Near-End Crosstalk(NEXT)*
- Operating case temperature: -40 to 85°C*
- All-metal housing for superior EMI performance*
- Precision process control for minimization of pair-to-pair skew*
- AC coupling of PECL signals*
- EEPROM for cable signature & system communications*
- 30 AWG to 24 AWG cable sizes available*
- RoHS compliant*



Product Description

The Vi-Link 40G-DAC QSFP+ (Quad Small Form-factor Pluggable Plus) copper direct-attach cables are suitable for very short distances and offer a highly cost-effective way to establish a 40-Gigabit link between QSFP+ ports of QSFP+ switches within racks and across adjacent racks. These cables are used for 40GbE and InfiniBand standards, to maximize performance. QSFP+ are designed to meet emerging data center and high performance computing application needs for a high density cabling interconnect system capable of delivering an aggregate data bandwidth of 40Gb/s. This interconnect system is fully compliant with existing industry standard specifications such as the QSFP MSA and IBTA (InfiniBand Trade Association). The QSFP+ cables support the bandwidth transmission requirements as defined by IEEE 802.3ba (40 Gb/s) and InfiniBand QDR (4x10 Gb/s per channel) specifications.

Applications

- *Data Servers*
- *Networked storage systems Routers*
- *External storage systems*
- *Data Center networking Switches Routers*
- *Industry Standards: InfiniBand Trade Association (IBTA)*
- *40Gigabit Ethernet (40G BASE – CR4)*

Ordering Information

Model	Descriptions
40G-DAC-1M	40G QSFP+ to QSFP+ Direct Active Cable 1 Meter * Replace 1M with 3M, 5M, 7M for the length of cable needed"