VL Vi-Link
Fiber Optic Communications

Direct Active Ethernet Cable
40 GB QSFP+ to QSFP+

AE4

AE Series

Email: sales@vi-link.net - Tel: 714-312-0654 - Web: www.vi-link.net

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*

Vi-Link's 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. provides high performance in 40 Gigabit Ethernet (40GbE) network applications,

Specifications

Parameter	Symbol	Min	Max	Unit
Storage Temperature	Ts	-40	+85	^{0}C
Operating Case Temperature	Tc	-40	+85	^{0}C
Operating Humidity	RH		90	%
Bit Rate	BR	1	40	GB/s
Supply Votage	Vcc	+2.96	+3.6	V

Applications

Data Center – Inter-Rack Connection 10G Ethernet -InfiniBand, Fiber Channel 4G/8G/10G
Sonet Multiplatform support -High Performance Computing Clusters - Metro Network Switch/Cross Connect

Order Information

Model	Descriptions
AE4-1	Direct Active Ethernet Cable, 40 GB, QSFP to QSFP, 1 meter

** Replace "1" With 3, 5, 10, 15 for Cable Distances **