

CVR-40_QP-10G

QSFP+ to SFP+ Adapter Module

Description:

The QSFP+ to SFP+ adapter-converter module provides 10G Ethernet connectivity for QSFP+ 40G ports. This module is compliant with QSFP+ MSA SFF-8436 and SFP+ MSA SFF-8431. The built-in MCU enables I2C reading of SFP+ registers by reading QSA registers. The SFP+ receptacle is connected to lane 1 of the QSFP+ connector. The other three channels on the QSFP+ connector are not connected

The **CVR-40_QP-10G** compatible QSFP+ to SFP+ adapter-converter module provides conversion from QSFP+ to SFP+ form factors. The module is a high performance, cost effective device that allows for 40G QSFP+ host ports to seamlessly operate as single lane 10GBase-X SFP+ ports.

The converter operates using standard MSA compliant SFP+ transceivers that can be selected based on the network's operational requirements.

Features:

- Trouble-free installation and network bring-up
- Precision process control for minimization of pair-to-pair skew
- 1 independent duplex channels operating at 10Gbps, also support for 2.5Gbps, 5Gbps data rates
- All-metal housing for superior EMI performance
- 100 Ohm differential impedance system
- Operating case temperature: -20 to 85°C
- Low crosstalk
- Secure latching mechanism
- RoHS compliant



Applications:

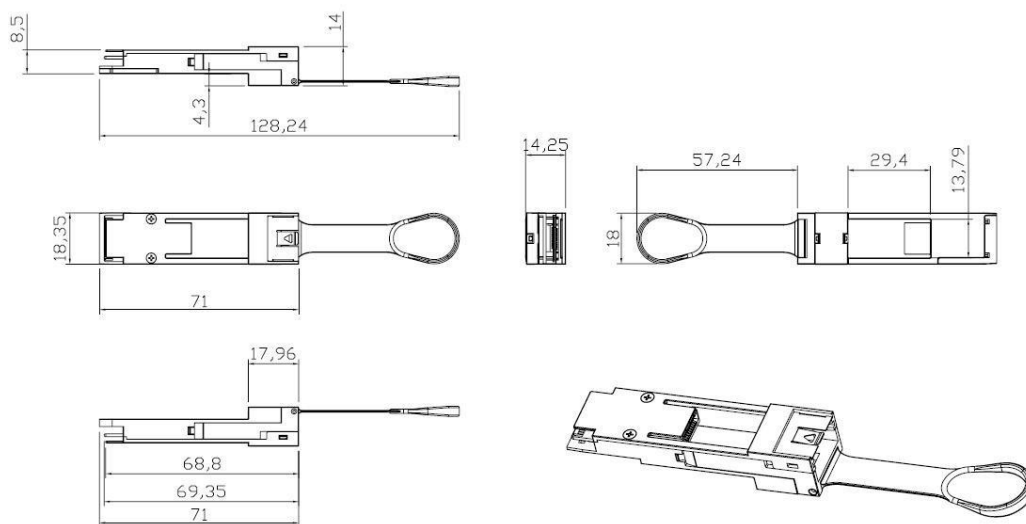
- 10GBase-X over 40G QSFP Interfaces
- 10GBase SR and LR Currently Supported
- Data Servers, routers, Switches
- Networked storage systems
- Data Center networking
- InfiniBand Trade Association (IBTA)



General specifications:

Parameter	Symbol	Min	Typ	Max	Unit
Operating Case Temperature	Top	-20	–	+85	°C
Storage Temperature	Tst	-40	–	+125	°C
Relative Humidity (non-condensation)	RS	–	–	85	%
Power Supply Voltage	VC	3.15	3.3	3.45	V
Power Supply Current	Icc	–	–	570	mA
Data Rate (Total)	DRt	–	–	10.3125	Gbps
Characteristic impedance	CHi	90	100	110	Ohm
Weight			Less than 100g		

Mechanical dimensions:



Ordering code:

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