

# ET6402-40DAC-XM

## 40-Gbps QSFP+ Passive Copper Cable Assembly



ET6402-40DAC-1M    ET6402-40DAC-3M

### Product Overview

The 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 40-Gigabit links between QSFP+ switch ports within racks or across adjacent racks. These cables support 40 Gigabit Ethernet (GbE) and Infiniband standards to maximize performance. QSFP+ is designed to meet emerging data center and high-performance computing needs for a high-density cabling interconnect system capable of delivering an aggregate data bandwidth of 40 Gbps. 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 Gbps) and Infiniband QDR (4x10 Gbps per channel) specifications.

### Key Features and Benefits

- Compliant with QSFP+ MSA specifications
- Fully compatible with IEEE 802.3ba and Infiniband QDR specifications up to 40 Gbps total bandwidth
- 4 independent duplex channels operating at 10 Gbps, also support for 2.5 Gbps and 5 Gbps data rates
- 100-ohm differential impedance system
- 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 and system communications
- 30 AWG to 24 AWG cable sizes available
- RoHS compliant
- Meets industry standards

### Applications

- Data
- Servers
- Networked storage systems
- Routers
- External storage systems
- Data center networking
- Communications
- Switches
- Routers
- InfiniBand Trade Association (IBTA)
- IEEE 802.3ba
- 40 Gigabit Ethernet (40GBASE-CR4)

Optical Transceiver

## Specifications

Parameter	Minimum	Maximum	Unit
Operating Case Temperature	-40	85	°C
Storage Temperature	-40	125	°C
Relative Humidity (non-Condensation)		85	%
Supply Voltage	3.135	3.465	V
Voltage on LVTTTL Input	-0.3	VCC3+0.2	V
Power Supply Current	0.001		mA
Total Power Consumption		0.003	W

### For More Information

To find out more about Edgecore Networks Corporation products and solutions, visit [www.edge-core.com](http://www.edge-core.com).

### About Edgecore Networks Corporation

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