

ET6402-10DAC

1 m and 3 m 40G QSFP to 4 x 10G SFP+ Breakout Direct Attach Cable



Product Overview

The ET6402-10DAC direct attach cable is a high-speed, cost-effective 40G QSFP to 4 x 10G SFP Ethernet connectivity solution designed to meet the growing need for more bandwidth in data centers. The cable connects data signals from each of the four copper pairs on the QSFP end to the single pair on the SFP+ ends.

Key Features and Benefits

- Fully compliant to the latest SFP+ and QSFP MSA (Multi-Source-Agreement)
- Supports all current 10-Gigabit Ethernet and 40 Gigabit Ethernet standards
- Up to 10.3125 Gbps transfer rate per SFP+ channel (40 Gbps aggregate)
- 30 AWG to 26 AWG cable sizes available
- 100 ohm differential impedance system
- Single 3.3V power supply, low power consumption, <0.5 W
- 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
- Low cross-talk and pair-to-pair skew maintains signal integrity
- Fully RoHS compliant for environmental protection

Applications

- Data center cabling infrastructure
- High capacity I/O in storage area networks, network attached storage, and storage servers
- High-density connections between networking equipment
- Switched fabric I/O such as ultra high-bandwidth switches and routers

Key Features and Benefits

Absolute Maximum Ratings

Parameter	Symbol	Minimum	Maximum	Unit	Note
Storage Temperature	Tst	40	125	°C	
Relative Humidity (non-condensation)	RS		85	%	
Operating Case Temperature	Topc	40	85	°C	1
Supply Voltage	VCC3	0.3	3.6	V	
Voltage on LVTTTL Input	Vilvttl	0.3	VCC3 +0.2	V	

NOTE: Stress or conditions that exceed the above range may cause permanent damage to the device. This is a stress rating only and functional operation of the device at these or any other conditions above those listed in the operational sections of this specification does not apply. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

Recommended Operating Conditions

Parameter	Symbol	Minimum	Maximum	Unit
Operating Case Temperature	Topc	-40	85	°C
Relative Humidity (non-condensation)	RS		85	%
Supply Voltage	VCC3	3.135	3.465	V
Power Supply Current	ICC3	70		mA
Total Power Consumption	Pd		0.5	W

Ordering Information

Model Number	Length	Region
ET6402-10DAC	1 m and 3 m	All

Warranty

Please check www.edge-core.com for the warranty terms in your country.

For More Information

To find out more about Edgecore Networks Corporation products and solutions, visit www.edge-core.com.

About Edgecore Networks Corporation

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