

100 Gbps Active Optical Cable and 100 Gbps to 4 x 25 Gbps Breakout Active Optical Cable

ET7402-AOC-xM and ET7402-25AOC-xM



The ET7402-AOC-xM is a 5-100m active optical cable with one QSFP28 to one QSFP28 100G connectors. The ET7402-25AOC-xM is a 5-100m breakout active optical cable with one QSFP28 connector and four SFP28 25G connectors. The active optical cables are 100G hot pluggable cables that support Infiniband and Ethernet data transmission. The cables provide parallel interconnects—4 transmitting and 4 receiving data lanes—and support distances up to 100 meters. The active optical cables are composed of multi-channel optical transceivers at both ends and multimode fiber cable in between. This integrated optical module solution removes the complicated optical fiber interface and replaces it with a friendly and intuitive electrical-to-electrical interface. The ET7402-AOC-xM/ET7402-25AOC-xM is designed to meet the requirements of high speed, high density, and low power consumption for applications in today's data centers.

Key Features and Benefits

- Compliant to standard SFF-8636
- QSFP28 active optical modules
- Compliant to the IEEE 802.3bm (100GBASE-SR4)
- High Speed/High Density: Supports up to 4 x 5 Gb/s bi-directional operation
- Low Power Consumption: Less than 2.5 W
- Reliable VCSEL and PIN photonic devices
- I2C standard management interface
- Excellent high-speed signal integrity
- Operating temperature options
- Temperature Range: 0~70 °C
- RoHS compliant

Applications

- 100GBASE Ethernet
- High performance computing, server and data storage.

Recommended Operating Conditions

Parameter	Symbol	Minimum	Maximum	Unit
Storage Temperature	Tst	0	85	°C
Case Operating Temperature	Topc	0	70	°C
Supply Voltage	Vcc	3.14	3.6	V
Relative Humidity	RH	5	85	%

Ordering Information

Model Number	Length	Region
ET7402-AOC-5M	5 M	All
ET7402-AOC-7M	7 M	All
ET7402-AOC-10M	10 M	All
ET7402-AOC-15M	15 M	All
ET7402-AOC-30M	30 M	All
ET7402-AOC-50M	50 M	All
ET7402-AOC-100M	100 M	All
ET7402-25AOC-5M	5 M	All
ET7402-25AOC-7M	7 M	All
ET7402-25AOC-10M	10 M	All
ET7402-25AOC-15M	15 M	All
ET7402-25AOC-30M	30 M	All
ET7402-25AOC-50M	50 M	All
ET7402-25AOC-100M	100 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

Edgecore Networks Corporation is in the business of providing innovative network solutions. In the service provider network, in the data center or in the cloud, Edgecore Networks Corporation delivers the software and systems that transform the way the world connects. Edgecore Networks Corporation serves customers and partners worldwide. Additional information can be found at www.edge-core.com.

Edgecore Networks Corporation is a subsidiary of Accton Technology Corporation, the leading network ODM company. The Edgecore data center switches are developed and manufactured by Accton.

To purchase Edgecore Networks solutions, please contact your Edgecore Networks Corporation representatives at +886 3 563 8888 (HQ) or +1 (949)-336-6801 or authorized resellers.

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