

400G QSFP-DD AOC 1-7m

400G Eth, QSFP-DD, AOC, 1–7m

QA11-4E8-xxM-C1

OVERVIEW

The QA11-4E8-xxM-C1 is a QSFP-DD active optical cable (AOC) designed for 400 Gigabit Ethernet applications. It supports high-speed data transmission over integrated multimode fiber with cable lengths ranging from 1m to 7m.

The module supports 8 parallel optical channels, each operating at 26.56GBaud, and complies with QSFP-DD MSA and CMIS 4.0 specifications. It provides CML-compatible electrical interfaces with integrated clock and data recovery (CDR) for reliable high-speed performance.

The transceiver assembly operates at 26.56GBaud per channel and supports short-reach interconnects for data center and high-performance computing environments.

The module operates from a single 3.3V power supply and is available in commercial operating temperature range (0°C to +70°C). It is suitable for high-speed data center interconnects and short-reach 400G optical communication links.

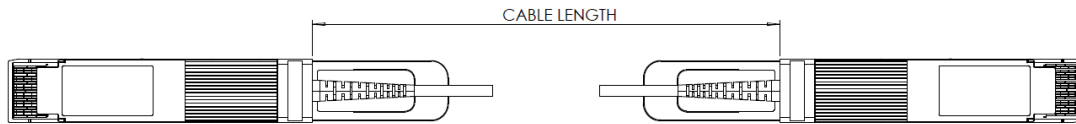
KEY SPECIFICATIONS

- 2x QSFP-DD transceivers with Multimode fiber cable
- 8x 26.5625GBd (PAM4) Electrical Interface (400GAUI-8)
- Digital diagnostics functions via the I2C interface CMIS4.0
- Up to 7 m link over OM4 multimode fiber
- QSFP-DD MSA HW Rev 5.0 compliant
- Low power consumption; <10W
- Fully RoHS compliant for environmental protection
- Operating temperature: 0 °C to +70 °C
- Storage temperature: -40 °C to +85 °C

APPLICATIONS

- Data Center cabling infrastructure
- Storage Area Network (SAN)
- Network Attached Storage (NAS)
- Hub, switches, routers, servers

DIMENSION



ORDERING INFORMATION

Ordering Code	Description
QA11-4E8-01M-C1	400G QSFP-DD, AOC, 1m, 0 to 70C
QA11-4E8-03M-C1	400G QSFP-DD, AOC, 3m, 0 to 70C
QA11-4E8-05M-C1	400G QSFP-DD, AOC, 5m, 0 to 70C
QA11-4E8-07M-C1	400G QSFP-DD, AOC, 7m, 0 to 70C

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