

40G QSFP+ AOC 1m-100m

40G Eth, QSFP+, AOC, MM, 1m-100m, MPO

QA11-40-xxM-C1

OVERVIEW

The QA11-40-xxM-C1 is an Active Optical Cable (AOC) designed for 40 Gigabit Ethernet and InfiniBand QDR applications. Each cable integrates QSFP+ optical transceivers at both ends and uses parallel multimode fiber to deliver four channels of 10.3125Gbps each for a total data rate of 40Gbps. The cable uses active optical components that provide low power consumption and stable high speed signal transmission over distances up to 100 meters.

The assembly complies with the QSFP+ Multi-Source Agreement and supports Digital Diagnostics Monitoring through a standard serial interface. It is powered from a single 3.3V supply and is designed for easy plug and play integration in switches, routers and servers. The AOC solution eliminates EMI issues commonly seen with copper cabling and offers lighter weight and improved flexibility.

The module operates in a commercial temperature range of 0°C to +70°C. It is suitable for short reach optical links, data center connectivity and high-performance computing networks.

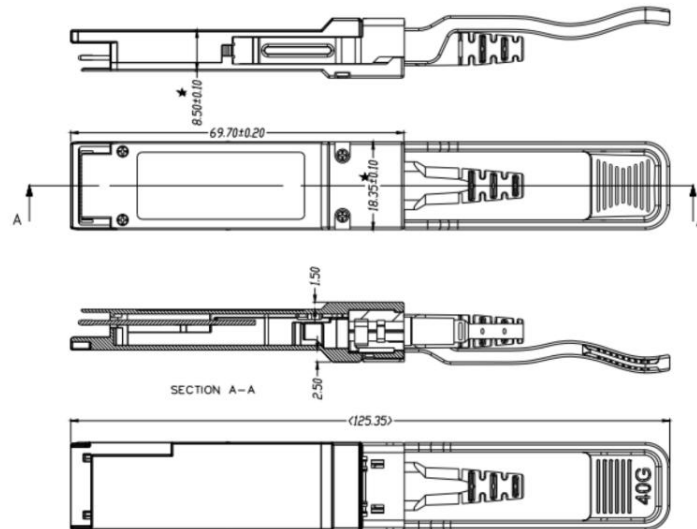
KEY SPECIFICATIONS

- 40G QSFP+ active optical cable
- Four channel 10.3125Gbps optical interface
- Available cable lengths from 1m to 100m
- Low power consumption on the host side
- MPO optical connector
- Operating temperature: 0°C to +70°C
- Compliant with QSFP+ MSA and IEEE 802.3ba

APPLICATIONS

- 40G Ethernet, 40GbE-LAN
- InfiniBand QDR

MECHANICAL DRAWING



ORDERING INFORMATION

Ordering Code

Description

QA11-40-01M-C1	40G QSFP+, AOC, MM, 1m, MPO, 0 to 70C
QA11-40-02M-C1	40G QSFP+, AOC, MM, 2m, MPO, 0 to 70C
QA11-40-03M-C1	40G QSFP+, AOC, MM, 3m, MPO, 0 to 70C
QA11-40-04M-C1	40G QSFP+, AOC, MM, 4m, MPO, 0 to 70C
QA11-40-05M-C1	40G QSFP+, AOC, MM, 5m, MPO, 0 to 70C
QA11-40-06M-C1	40G QSFP+, AOC, MM, 6m, MPO, 0 to 70C
QA11-40-07M-C1	40G QSFP+, AOC, MM, 7m, MPO, 0 to 70C
QA11-40-08M-C1	40G QSFP+, AOC, MM, 8m, MPO, 0 to 70C
QA11-40-09M-C1	40G QSFP+, AOC, MM, 9m, MPO, 0 to 70C
QA11-40-10M-C1	40G QSFP+, AOC, MM, 10m, MPO, 0 to 70C
QA11-40-15M-C1	40G QSFP+, AOC, MM, 15m, MPO, 0 to 70C
QA11-40-20M-C1	40G QSFP+, AOC, MM, 20m, MPO, 0 to 70C
QA11-40-30M-C1	40G QSFP+, AOC, MM, 30m, MPO, 0 to 70C
QA11-40-50M-C1	40G QSFP+, AOC, MM, 50m, MPO, 0 to 70C
QA11-40-A0M-C1	40G QSFP+, AOC, MM, 100m, MPO, 0 to 70C

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