

10G SFP+ AOC 1-100m

10G Eth, FC, SFP+, AOC, MM, 1-100m, MPO

SA11-10-xxM-C1

OVERVIEW

The SA11-10-xxM-C1 is a 10Gbps SFP+ Active Optical Cable (AOC) designed for high-speed data communication over short distances. It integrates optical fiber with SFP+ transceiver modules on both ends, providing a plug-and-play solution for direct interconnect applications within data centers.

This AOC eliminates the need for separate optical transceivers and fiber patch cords by combining them into a single assembly, resulting in improved reliability, reduced insertion loss, and simplified cable management. It is particularly suitable for intra-rack and inter-rack connections where low latency and high bandwidth are required.

The module supports data rates up to 10.3125 Gbps and operates over multimode fiber (MMF) with reach options ranging from 1 meter to 100 meters. It is compliant with SFP+ MSA and supports Digital Diagnostics Monitoring (DDM) via a two-wire interface for real-time monitoring of key parameters.

Designed for energy efficiency, the AOC operates from a single 3.3V power supply with low power dissipation (typically less than 0.65W per end). It supports standard commercial operating temperatures from 0°C to +70°C and complies with RoHS environmental standards.

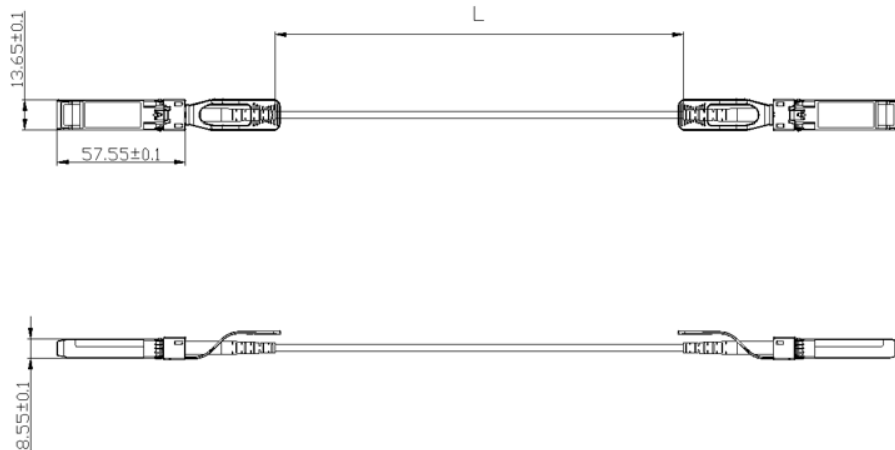
KEY SPECIFICATIONS

- Supports data rates up to 10.3125 Gbps
- Available cable lengths from 1m to 100m
- Suitable for short-reach applications (intra-rack and inter-rack)
- Single 3.3V power supply
- Low power consumption: $\leq 0.65\text{W}$ per end
- Operating case temperature: 0°C to +70°C
- Compliant with SFP+ MSA
- Supports Digital Diagnostics Monitoring (DDM) (SFF-8472)

APPLICATIONS

- 1G and 10G Ethernet
- InfiniBand QDR, DDR and SDR
- 1/2/4/8/10x Fiber Channel

DIMENSIONS



ORDERING INFORMATION

Ordering Code	Description
SA11-10-01M-C1	10G SFP+, AOC, MM, 1m, MPO, 0 to 70C
SA11-10-02M-C1	10G SFP+, AOC, MM, 2m, MPO, 0 to 70C
SA11-10-03M-C1	10G SFP+, AOC, MM, 3m, MPO, 0 to 70C
SA11-10-04M-C1	10G SFP+, AOC, MM, 4m, MPO, 0 to 70C
SA11-10-05M-C1	10G SFP+, AOC, MM, 5m, MPO, 0 to 70C
SA11-10-06M-C1	10G SFP+, AOC, MM, 6m, MPO, 0 to 70C
SA11-10-07M-C1	10G SFP+, AOC, MM, 7m, MPO, 0 to 70C
SA11-10-08M-C1	10G SFP+, AOC, MM, 8m, MPO, 0 to 70C
SA11-10-09M-C1	10G SFP+, AOC, MM, 9m, MPO, 0 to 70C
SA11-10-10M-C1	10G SFP+, AOC, MM, 10m, MPO, 0 to 70C
SA11-10-15M-C1	10G SFP+, AOC, MM, 15m, MPO, 0 to 70C
SA11-10-20M-C1	10G SFP+, AOC, MM, 20m, MPO, 0 to 70C
SA11-10-30M-C1	10G SFP+, AOC, MM, 30m, MPO, 0 to 70C
SA11-10-50M-C1	10G SFP+, AOC, MM, 50m, MPO, 0 to 70C
SA11-10-A0M-C1	10G SFP+, AOC, MM, 100m, MPO, 0 to 70C

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