AOC Cable - QSFP+ 40G

Variants

5M 100M 30M 3M 1M

Details

40G • QSFP+ AOC • 850NM • OM3 / OM4

The is a high-speed optical interconnect solution designed for . It integrates optical transceivers and multimode fiber into one cable assembly for stable , low latency, lightweight cabling and low power consumption.

Select Cable Length

Quick Specifications

DATA RATE

40Gbps

INTERFACE

QSFP+ to QSFP+

WAVELENGTH

850nm

FIBER TYPE

OM3 / OM4

Available Cable Lengths

Select the required 40G QSFP+ AOC length below to view the corresponding product variant.

Speed: 40Gbps **Interface:** QSFP+ to QSFP+ **Fiber:** Multimode **Wavelength:** 850nm

40G QSFP+ AOC

1M

OM3 Multimode • 850nm

View & Order ?

40G QSFP+ AOC

3M

OM3 Multimode • 850nm

View & Order ?

40G QSFP+ AOC

5M

OM3 Multimode • 850nm

View & Order ?

40G QSFP+ AOC

30M

OM3 Multimode • 850nm

View & Order ?

40G QSFP+ AOC

100M

OM3 Multimode • 850nm

View & Order ?

Key Features

? Supports 40Gbps high-speed optical transmission

? QSFP+ to QSFP+ Active Optical Cable

? Supports OM3 / OM4 multimode fiber

? 850nm VCSEL optical transmission

? Low power consumption and low latency

? Hot-pluggable QSFP+ interface

? DDM / DOM digital diagnostics support

? Flexible and lightweight cable construction

? Suitable for switches, routers and servers

? Designed for high-density data center networks

Technical Specifications

Parameter	Specification

Product Type	40G QSFP+ Active Optical Cable (AOC)
Form Factor	QSFP+ to QSFP+
Maximum Data Rate	**40Gbps**
Data Rate Per Lane	Up to 10.3Gbps per channel
Cable Length	1M to 100M
Cable Type	OM3 / OM4 Multimode Fiber
Wavelength	850nm
Transmitter Type	VCSEL Laser
Receiver Type	PIN Photodiode
DDM / DOM	Supported
Power Consumption	Low Power Design (<1.5W Typical)
Power Supply	Single 3.3V
Operating Temperature	0°C to +70°C
Compliance	QSFP+ MSA, SFF-8436, IEEE 802.3ba, RoHS

Applications

40G Ethernet
High-speed 40Gbps optical links

Data Centers
Switch and server interconnection

Cloud Computing

High-bandwidth cloud infrastructure

HPC Networks

High-performance computing connectivity

Enterprise Backbone

High-speed internal network links

Storage Networks

SAN and storage connectivity

Installation Note

Proper cable routing and maintaining the recommended **minimum bend radius** are important for stable 40G optical transmission and long cable service life. Avoid excessive bending, pulling, twisting or pressure during installation.

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