Tripp Lite
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QSFP+ to QSFP+ Active Optical Cable - 40Gb, AOC, M/M, Aqua, 3M (9.84 ft.)

MODEL NUMBER: **N28F-03M-AQ**

QSFP+ cable connects high-speed 40 Gb switches, servers and other networking devices in data centers and enterprise wiring closets.

Features

QSFP+ Fiber Cable Connects Network Equipment at Speeds up to 40 Gbps This three-meter (9.8-foot) QSFP+ Active Optical Cable (AOC) provides next-generation performance by combining four full-duplex 10 Gbps SFP+ channels into one affordable high-density package. Each male connector contains four fiber optic transceivers, each capable of data transfer speeds up to 10 Gbps. Together, the N28F-03M-AQ provides an aggregated speed up to 40 Gbps, making it ideal for switches, servers, routers and other high-end networking equipment.

Push/Pull Tab Connectors Provide Quick, Easy Connections The hot-pluggable QSFP+ connectors include ergonomic push/pull tabs, which are easily accessible in high-density applications and make the cable easy to install and remove with just one hand.

Engineered and Optimized for Bandwidth-Intense Applications This QSFP+ to QSFP+ cable integrates a 40 Gbps Ethernet-optimized 38-position “board as connector” design. Die-cast zinc connectors offer superior EMI (electromagnetic interference) resistance and reduced crosstalk. The connectors have also been tested to meet stringent insertion loss standards. The QSFP+ optical cable’s 8-pair wire technology is optimized for 40GBASE-CR4, 6G SAS, Fibre Channel, PCIe, SONET and InfiniBand applications. The plenum-rated OFNP jacket is designed for connecting network components in drop ceiling, walls and ducts.

Cisco-Compatible Cable Fully Compliant with the Latest Standards This QSFP+ cable is fully compliant with the latest QSFP+ Multi-Source Agreement (MSA), IEEE 802.3ba standards and industry-standard SFF-8436 specifications. It is compatible with all QSFP and QSFP+ ports and Cisco’s QSFP-H40G-AOC1M cable.

Highlights

- Ideal for Cisco switches, servers, routers and other high-end networking equipment
- Combines 4 full-duplex 10 Gbps SFP+ lanes for an aggregated 40 Gbps rate
- Multi-platform support for 40 Gb Ethernet, InfiniBand, Fibre Channel and PCIe
- Ergonomic push/pull tabs allow easy one-handed connection and disconnection
- Compliant with QSFP+ MSA and SFF-8436 architecture for full QSFP compatibility

Applications

- 10GBASE-SR and 40GBASE-SR4 Ethernet
- InfiniBand QDR (4x10G), DDR (4x5G) and SDR (4x2.5G)
- 6G SAS and SONET
- High-speed parallel interconnects for high-performance computing (HPC) and data center interconnects (DCI)
- Connect active network equipment in high-end server rooms or enterprise wiring closets

System Requirements

- Network switch or other devices with QSFP or QSFP+ ports

Package Includes

- N28F-03M-AQ QSFP+ to QSFP+ 40Gb Active Optical Cable (M/M), Aqua, 3 m (9.8 ft.)

Specifications

OVERVIEW	
UPC Code	037332225528

Technology	Multimode
Optical Mode	OM3
Mode Type	Multimode
PHYSICAL	
Cable Jacket Color	Aqua
Cable Jacket Material	PVC
Cable Jacket Rating	OFNP
Cable Outer Diameter (OD)	2.9 mm
Clad Diameter (microns)	50
Core Diameter (microns)	125
Number of Fibers	8
Cable Length (ft.)	9.8
Cable Length (m)	2.99
Cable Length (in.)	118.1
Minimum Bend Radius	30 mm
Shipping Dimensions (hwd / in.)	0.00 x 0.00 x 0.00
Shipping Weight (kg)	0.00
ENVIRONMENTAL	
Operating Temperature Range	32 to 158 F (0 to 70 C)
Storage Temperature Range	32 to 158 F (0 to 70 C)
Operating Humidity Range	5% TO 85% RH, Non-Condensing
Storage Humidity Range	5% TO 85% RH, Non-Condensing
COMMUNICATIONS	
Network Compatibility	40 Gbps
Wavelength	850nm; 1300nm
Attenuation @ 850NM	3.0dB/KM
Attenuation @ 1300NM	1.0dB/KM
IEEE Standards Supported	802.3BA
CONNECTIONS	
Side A - Connector 1	QSFP+ (MALE)
Side B - Connector 1	QSFP+ (MALE)
Connector Material	Zinc Alloy

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FEATURES & SPECIFICATIONS	
IP68 Rated	No
IP20 Rated	No
STANDARDS & COMPLIANCE	
Product Certifications	IEC 60825-1; UL Compliant (E347511)
Product Compliance	RoHS; REACH
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty

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