

QSFP+ to QSFP+ Active Optical Cable - 40Gb, AOC, M/M, Aqua, 5M (16.4 ft.)

MODEL NUMBER: N28F-05M-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 five-meter (16.4-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-05M-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-05M-AQ QSFP+ to



QSFP+ 40Gb Active Optical
Cable (M/M), Aqua, 5 m (16.4
ft.)

Specifications

OVERVIEW	
UPC Code	037332225535
Technology	Multimode; SFP+/QSFP+/QSFP28
Optical Mode	OM3
Mode Type	Multimode
PHYSICAL	
Color	Aqua; Silver
Cable Jacket Material	PVC
Cable Jacket Rating	OFNP
Cable Outer Diameter (OD)	2.9 mm
Clad Diameter	50µm
Core Diameter	125µm
Number of Fibers	8
Cable Length (ft.)	16.4
Cable Length (m)	5
Cable Length (in.)	196.9
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 Speed	40Gbe



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
FEATURES & SPECIFICATIONS	
Cable Style	Plenum Rated
STANDARDS & COMPLIANCE	
Certifications	RoHS, REACH, UL Compliant (E347511), Laser Safety Compliant (IEC 60825-1:2014)
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty

© 2021 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies: <https://www.tripplite.com/products/product-certification-agencies>