

QSFP+ to QSFP+ Active Optical Cable - 40Gb, AOC, M/M, Aqua, 1M (3.28 ft.)

MODEL NUMBER: **N28F-01M-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 one-meter (three-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-01M-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.

Specifications

| OVERVIEW | |
|------------|--------------|
| UPC Code | 037332225504 |
| Technology | Multimode |

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-01M-AQ QSFP+ to QSFP+ 40Gb Active Optical Cable (M/M), Aqua, 1 m (3 ft.)



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| | |
|---------------------------------|------------------------------|
| Optical Mode | OM3 |
| Mode Type | Multimode |
| Compatible Brand | Cisco |
| CONNECTIONS | |
| Side A - Connector 1 | QSFP+ (MALE) |
| Side B - Connector 1 | QSFP+ (MALE) |
| Connector Material | Zinc Alloy |
| 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.) | 3.3 |
| Cable Length (m) | 1.01 |
| Cable Length (in.) | 39.4 |
| Minimum Bend Radius | 30 mm |
| Shipping Dimensions (hwd / in.) | 0.00 x 0.00 x 0.00 |
| Shipping Dimensions (hwd / cm) | 0.00 x 0.00 x 0.00 |
| Shipping Weight (lbs.) | 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 |



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| | |
|--------------------------------------|-------------------------------------|
| IEEE Standards Supported | 802.3BA |
| FEATURES & SPECIFICATIONS | |
| IP68 Rated | No |
| IP20 Rated | No |
| STANDARDS & COMPLIANCE | |
| Product Certifications | IEC 60825-1; UL Compliant (E347511) |
| Product Compliance | RoHS; REACH |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 1-year limited warranty |

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