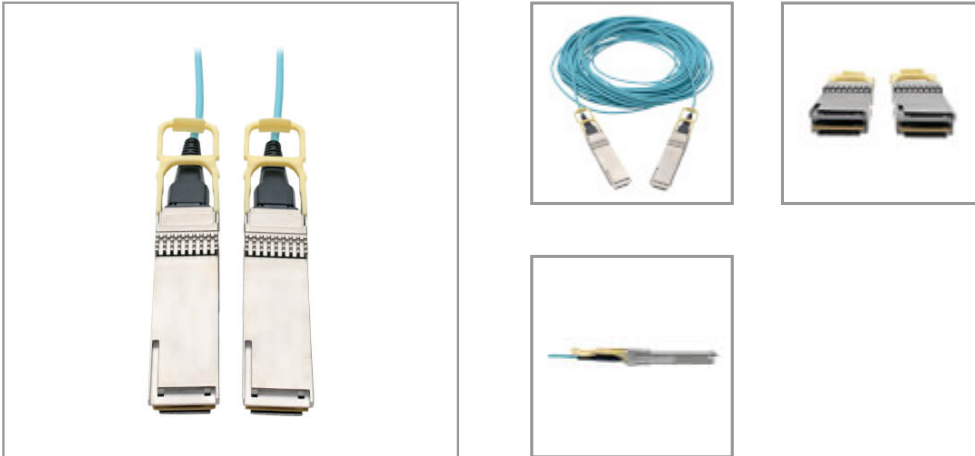


## QSFP28 to QSFP28 Active Optical Cable - 100GbE, AOC, M/M, Aqua, 20M (65.61 ft.)

MODEL NUMBER: N28H-20M-AQ



QSFP28 cable connects high-speed 100 Gb switches, servers and other networking devices in data centers and enterprise wiring closets.

### Features

**QSFP28 Cable Connects Network Equipment at Speeds up to 100 Gbps** This 20-meter (65.6-foot) QSFP28 Active Optical Cable (AOC) provides next-generation performance by combining four full-duplex 25 Gbps SFP channels into one affordable high-density package. Each male connector contains four independent 850 nm VCSEL-based transmitters and four independent receivers using PIN photo detectors inside. Each lane supports data transfer speeds up to 25 Gbps. Together, the N28H-20M-AQ provides an aggregated speed up to 100 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 QSFP28 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 QSFP28 active optical cable integrates a 100 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 cable is suitable for high-speed, short-reach dense data connections, such as 100GBASE-SR4 Ethernet, PCIe, Fibre Channel and InfiniBand applications. The plenum-rated OFNP jacket is designed for connecting network components in drop ceiling, walls and ducts.

**Fully Compliant and Compatible with the Latest Standards** This cable is fully compliant with the latest QSFP28 Multi-Source Agreement (MSA), IEEE 802.3bm standards and industry-standard SFF-8636 specifications. It is compatible with all QSFP and QSFP+ ports.

### Highlights

- Combines 4 full-duplex 25 Gbps SFP lanes for an aggregated 100 Gbps rate
- Ideal for switches, servers, routers and other high-end networking equipment
- Multi-platform support for 100 Gb Ethernet, InfiniBand, Fibre Channel and PCIe
- Ergonomic push/pull tabs allow easy one-handed connection and disconnection
- Compliant with QSFP28 MSA and SFF-8636 architecture for full QSFP compatibility

### Applications

- 25GBASE-SR and 100GBASE-SR4 Ethernet
- InfiniBand EDR (4x25G) and QDR (4x10G) with CDR turned off
- 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

- N28H-20M-AQ QSFP28 to



QSFP28 Active Optical Cable -  
100GbE, AOC, M/M, Aqua, 20  
m (65.6 ft.)

## Specifications

| OVERVIEW                            |   |
|-------------------------------------|---|
| UPC Code                            | 037332225641  |
| Technology                          | SFP+/QSPP+/QSFP28   |
| Optical Mode                        | OM3   |
| PHYSICAL                            |   |
| Color                               | Aqua  |
| Cable Outer Diameter (OD)           | 2.9 +/- 0.1mm   |
| Cable Jacket Material               | PVC   |
| Cable Jacket Rating                 | OFNP  |
| Clad Diameter                       | 50µm  |
| Core Diameter                       | 125µm   |
| Number of Fibers                    | 8   |
| Cable Length (ft.)                  | 66  |
| Cable Length (m)                    | 20  |
| Shipping Dimensions (hwd / in.)     | 0.00 x 0.00 x 0.00  |
| Shipping Weight (kg)                | 0.00  |
| CONNECTIONS                         |   |
| Side A - Connector 1                | QSFP28 (MALE)   |
| Side B - Connector 1                | QSFP28 (MALE)   |
| STANDARDS & COMPLIANCE              |   |
| Certifications                      | RoHS compliant, UL Compliant (E347511), Laser Safety Compliant (IEC 60825-1:2014) |
| WARRANTY                            |   |
| Product Warranty Period (Worldwide) | 1-year limited warranty   |



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