

QSFP DD 400G Active Optical Cable

400GB/S QSFP DD ACTIVE OPTICAL CABLE COMPLIANT TO 26.5625GBD PAM4 MODULATION

Amphenol's QSFP DD to QSFP DD 400G Active Optical Cable (AOC) assemblies doubles both the number of lanes from 4 to 8 and the bits sent per unit interval as compared to 100G QSFP28 AOC. The QSFP DD AOCs operate up to 26.5625Gbd PAM4 modulation and provide solutions up to 400Gb/s aggregate bandwidth, supporting 100 meters over parallel multi-mode fiber.

They are an ideal choice to be adopted for higher capacity networks and data center applications. These assemblies implement CMIS 5.0 as its host common management protocol, enabling easy interoperability and flexibility for initialization and output characteristics, optimizing Bit Error Rates from the perspective of the host.

- Data rates up to 53.125 Gb/s per lane
- Support 100 meters over parallel multi-mode fiber
- Up to 400Gb/s aggregate bandwidth
- CMIS 5.0 standard for module management
- Bit Error Rate < 1E-9 Pre-FEC

FEATURES

- 26.5625Gbd PAM4 Signaling and 400G aggregate bandwidth capacity
- Supports CMIS 5.0 standards
- Accessible through two-wire serial interface
- Programmable differential output swing and emphasis
- Excellent power consumption
- 0°C to 70°C operating case temperature



TARGET MARKETS

BENEFITS

- Double density and double data rate in one product with 50Gb/s per channel
- Latest CMIS specification enables plug and play from a management perspective
- Flexible to operate at 25.78125Gb/s and for "legacy support data rates"
- Allows for easy installation and flexible cable routing
- Lower power and reduced cost
- Supports commercial temperature range

TECHNICAL INFORMATION

PART NUMBERS