

Active Optical Cables

Overview

LongXing's Active Optical Cables (AOC) achieve high data rates over long reaches, using a fraction of the power of other brands while providing streamlined installation for high-performance computing and storage applications.

Our Active Optical Cables (AOC) offer significant cost advantages over traditional optical modules. Additionally, AOCs can easily be substituted by interfacing to systems via a broad range of standard MSA connectors including QSFP+ and CXP. The cables are electrically compliant with InfiniBand FDR / QDR / DDR, Ethernet (10, 40 and 56 Gbps), Fibre Channel (8 and 10 Gbps), SAS 3.0 and 2.1 (12 and 6 Gbps) and other protocol applications.



Features

- Low power consumption
- Support for up to 10/40/ and 56/100Gb/s bandwidth
- Superior signal integrity
- Bit Error Rate (BER) better than 10⁻¹⁵
- Low crosstalk
- Low insertion loss
- Secure latching mechanism
- Serial numbers printed at each end
- RoHS-6 compliant

Applications

- LAN 10/100/1000Base-T
- Gigabit Ethernet over Cat 5 Cable
- Switch to Switch Interface
- Router/Server Interface



