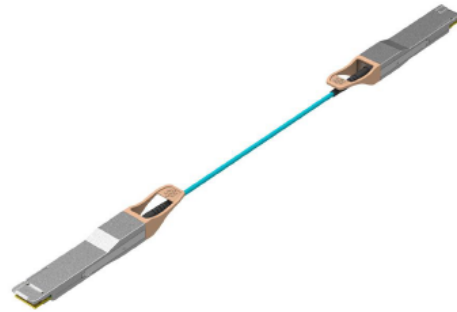


# 400G QSFP-DD AOC GQD-MDO401-xxxCB (DSP)

## Features

- 8 channels full-duplex active optical cable
- Transmission data rate up to 53Gbps per channel
- 8x53Gbps PAM4 transmitter and PAM4 receiver
- 8 channels 850nm VCSEL array
- 8 channels PIN photo-detector array
- Internal CDR circuits on both receiver and transmitter channels
- Power consumption < 10W per end
- Hot-pluggable QSFP-DD connectors, compliant with CMIS
- Length up to 70m (OM3) or 100m (OM4)
- Built-in digital diagnostic functions
- Operating case temperature range 0°C to +70°C
- 3.3V power supply voltage
- RoHS compliant (lead free)



## Applications

- IEEE 802.3cd 200GBASE-SR4

## Description

The Gigalight 400G QSFP-DD SR8 Active Optical Cables (AOCs) are designed for 2x200GBASE-SR4 Ethernet connection applications. Each cable integrates eight data lanes in each direction with 8x26.5625GBd. Each lane can operate at 53.125Gbps up to 70m using OM3 fiber or 100m using OM4 fiber with FEC. These cables operate over multimode fiber systems using a nominal wavelength of 850nm. The electrical interface uses a 76 contact edge type connector. With the Common Management Interface Specification (CMIS) for QSFP-DD modules, the 400G QSFP-DD AOC incorporates Gigalight's proven circuit and VCSEL technology to provide reliable long life, high performance, and consistent service.