

# 100G QSFP28 Active Optical Cable

The 100G QSFP28 AOC provides photoelectric conversion and optical transmission with a data rate of 100Gb/s. This active optical cable consists of two optical transceivers and an optical cable jumper.



## Product Overview

### High-Performance 100G Connectivity

The 100G QSFP28 Active Optical Cable (AOC) provides a high-speed solution for data centers and enterprise networks, supporting transmission rates up to 100Gb/s. By utilizing optical fiber between connectors, it offers superior signal integrity and a lightweight design that simplifies cable management compared to traditional copper. This solution integrates two optical transceivers with a fiber jumper, ensuring reliable performance for bandwidth-intensive applications.

## Technical Specifications

### Transmission Rate

**100 Gb/s**

Total Throughput

**25.3125 Gb/s**

Per Channel Rate

### Power Consumption

2.5 W

### Operating Temperature

0°C to +70°C

### Industry Standards

QSFP+ MSA, SFF-8665, IEEE 802.3bj 100GBASE SR4, RoHS

### Maximum Reach

100 m

## Component Details

### Internal Components

- 4 channels 850nm 25G VCSEL array
- 4 channels 25G PIN photo detector array
- Electrical interface hot-pluggable
- Differential AC-coupled data interface

## Target Applications

### Deployment Environments

100Gbs Ethernet • InfiniBand FDR/EDR • HPC • Data Centers • Storage Systems • Telecommunications