

# 10G SFP+ Active Optical Cable

The 10G SFP+ AOC is a high data rate parallel active optical cable. It uses high reliability 850nm VCSEL technology to overcome the bandwidth limitation of traditional copper cables.



## Product Overview

### High-Performance Data Connectivity

The 10G SFP+ Active Optical Cable (AOC) is designed for high-speed data transmission in data centers and high-performance computing environments. Utilizing 850nm VCSEL technology, it overcomes the bandwidth limitations of traditional copper, providing excellent electromagnetic immunity. The cable supports 10Gb/s data rates with a transmission distance of up to 150 meters on OM2/OM3 multimode fiber.

## Technical Specifications

### Data Rate

**10 Gb/s**

Transmission Speed

Operating Temperature	0°C to +70°C
Typical Power Consumption	200 mW
Power Supply Voltage	3.3 V
Standards Compliance	SFP+ MSA, SFF-8432, RoHS

## Performance Features

### Digital Diagnostics Monitoring

- Module temperature
- Vcc
- Rx input power
- Tx\_Disable
- Rx\_LOS

Maximum Distance	150 m
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## Target Applications

### Supported Applications

- 10 Gigabit Ethernet
- 4G and 8G Fiber Channel
- 1x InfiniBand (QDR, DDR, SDR)
- High-Performance Computing (HPC)
- Data Center & Enterprise Storage
- Telecommunication Equipment