

# 25G SFP28 Optical Transceiver Module

This active optical cable (AOC) module converts electrical signals into optical signals for data transmission. It features low power consumption, a low bit error rate, and is suitable for high-speed interconnection of network cards, switches, servers, and cloud computing.



## Overview

### High-Performance 25G Connectivity

This SFP28 optical transceiver module provides robust and high-speed connectivity for modern data centers, enterprise networks, and high-performance computing environments. Designed for efficiency and reliability, it supports 25G Ethernet standards with low power consumption and a compact form factor. It offers superior resistance to electromagnetic interference, ensuring stable data transmission across both OM3 and OM4 multimode fiber infrastructures.

## Technical Specifications

### Standards Compliance

IEEE802.3 • MSA SFF-8431

### Transmission Distance by Fiber Type

Fiber Type	Max Distance
OM3 Multimode	70 meters
OM4 Multimode	100 meters

### Supported Transmission Rates

10Gbps, 25Gbps, 40Gbps, 100Gbps

## Features & Benefits

### Performance Advantages

**1 Low**

Power Consumption

**1 High**

EMI Resistance

### Key Features

- Hot swappable electrical interface
- EEPROM burning and customized content support
- Compact and lightweight design
- High reliability and transmission speed

## Applications

### Supported Environments

25G-100G Ethernet, InfiniBand SDR, InfiniBand QDR, InfiniBand DDR, Servers, Storage, Switches, Routers