AOC Cable - QSFP 25G

Variants

5M 100M 30M 3M 1M

Details

25G QSFP Active Optical Cable (AOC)

The **25G QSFP Active Optical Cable (AOC)** is a high-speed optical interconnect solution designed for **data centers, enterprise networking, cloud computing, telecom infrastructure, and high-performance computing environments**.

This cable integrates optical transceivers and multimode fiber into a single assembly, providing **stable high-speed transmission, low latency, reduced power consumption, and simplified cabling** for short-distance optical connectivity.

Key Features

Supports high-speed 25Gbps transmission
Integrated Active Optical Cable design
Low latency and low power consumption
Supports OM3 / OM4 multimode fiber
850nm VCSEL optical technology
Lightweight and flexible cable structure
Hot-pluggable optical interface
Suitable for switches, servers, routers, and storage networks

Supports stable short-range optical connectivity

Technical Specifications

Parameter	Specification
Product Type	25G QSFP Active Optical Cable (AOC)
Data Rate	25Gbps
Form Factor	QSFP
Cable Type	OM3 / OM4 Multimode Fiber
Wavelength	850nm
Transmission Distance	Model Dependent
Transmitter Type	VCSEL
Receiver Type	PIN Photo Detector
Power Consumption	Low Power Design
Operating Temperature	0°C to 70°C
Compliance	RoHS, MSA Compliant

Applications

25G Ethernet Connectivity
Data Center Networks
Cloud Computing Infrastructure
High-Speed Server Interconnection

Storage Area Networks (SAN)
Enterprise Backbone Connectivity

Note: Proper installation and cable bending management are recommended to maintain stable optical transmission performance and long operational lifespan.

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