100Gb/s QSFP28 Active Optical Cables (AOC)

DESIGNED FOR USE IN 100GB/S DATA RATE APPLICATIONS. COMPLIANT WITH THE SFF–8636, IEEE802.3BM OR ITU–T G959.1

Amphenol's 100G QSFP28 optical modules include SR4, AOC, AOC break out, CWDM4, LR4, ER4 Lite, ER4 and ZR4 series, which adopt LC or MPO optical ports and are compatible with IEEE802.3bm, SFF–8636 and other standards; With low power consumption and small size, it is mainly used in 100G data center internal network, data center interconnection, metropolitan area network and other environments.

- Low power, power dissipation
- Up to 27.95Gb/s data rate per lane
- Digital Diagnostics Monitoring Interface
- Electrically hot–pluggable
- Compliant with QSFP28 MSA and RoHS
- Available in lengths from 1 – 150 meters

TARGET MARKETS

FEATURES & BENEFITS

- Hot–pluggable QSFP28 form factor

- Single 3.3V power supply

- Four–channel full duplex

- Up to 27.95Gb/s data rate per lane

- Low power dissipation

- Digital Diagnostics Monitoring Interface

- RoHS compliant

- Compliant with SFF–8636

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TECHNICAL INFORMATION

ELECTRICAL PERFORMANCE

▪ SFF−8679

MECHANICAL PERFORMANCE

▪ SFF−8661

SPECIFICATIONS

▪ IEEE 802.3ba

▪ IEEE 802.3bm

▪ ITU−T G959.1

▪ ENVIRONMENTAL

▪ Case Operating Temperature Range: 0°C to 70°C (or −40°C to 85°C)

APPROVALS & CERTIFICATION

UL, TUV

TARGET MARKETS/APPLICATIONS

Base Station
Power
Switches

High−end Computing System
Server and Storage Systems

PART NUMBERS

Description	Part Numbers
100G QSFP28 ACTIVE OPTICAL CABLE	AQP85B4−XXX

Find part number details using the search box on www.amphenol−cs.com

KEY PARAMETER SPECIFICATIONS

Product Name	Part Number	Package	Interface	Reach	Fiber Type	Wave-length	Rate	Tx Output	Rx Input	Power Consumption	Temp
QSFP28 AOC	AQP85B4−XXX	QSFP28	AOC	150M(OM3)	MMF	850NM	100Gb/s	/	/	≤2.5W	0~70