

10G SFP+ Active Optical Cables (AOC)

DESIGNED FOR USE IN 10GB/S DATA RATE LINKS. COMPLIANT WITH 10G ETHERNET AND CPRI

Amphenol's 10G SFP+ optical modules include SFP+ AOC. They are compliant with SFP+ MSA, SFF-8431 and SFF-8472, and are mainly used in Telecom, Wireless, InfiniBand, and Fiber Channel. The transceiver is RoHS compliant and per Directive 2011/65/EU.

- Low power, Power dissipation < 1.0W per cable end
- Metal enclosure for lower EMI
- High Reliability 850nm VCSEL technology
- Electrically hot-pluggable
- Compliant with 10G Ethernet
- Available in lengths from 1-100 meters



FEATURES

- Up to 11.1Gb/s data rate per channel
- Metal enclosure for lower EMI
- Compliant with 10G Ethernet
- Low power dissipation
- Case operating temperature range 0°C to 70°C / 0°C to 85°C
- Compliant with SFF 8472 & SFF-8432
- Compliant with ROHS 2.0

BENEFITS

- VCSEL laser and PIN receiver
- Link length of 300m on OM3 multimode fiber
- Electrical interface compliant to SFF-8431
- Electrically hot-pluggable
- Power dissipation < 1.0W per cable end
- 2-wire interface with integrated Digital Diagnostic monitoring
- Single 3.3V power supply

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TECHNICAL INFORMATION

ELECTRICAL PERFORMANCE

- C SFF-8472

MECHANICAL PERFORMANCE

- SFF-8432

SPECIFICATIONS

- IEEE802.3ba

ENVIRONMENTAL

- Case Operating Temperature Range: 0°C to 70°C / -40°C to 85°C

APPROVALS & CERTIFICATION

UL, TUV

TARGET MARKETS/APPLICATIONS



Telecom



Data Center

PART NUMBERS

Description	Part Numbers
10Gb/s SFP+ Active Optical Cable	AXP8596-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	Wavelength	Rate	Tx Output	Rx Input	Power Consumption	Temp
10G AOC	AXP8596-XXX	SFP+	AOC	1-100m	MMF	850nm	10Gb/s	-	-	≤1.0W	0-70

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