

Key Highlights:

- Type: 25G Active Optical Cable
- Compatibility: Multi-Vendor MSA Compatible
- Media Type: Multi-Mode Fiber
- Tx/Rx: 850nm
- Max. Distance: 100 m
- Data Rate: 10.31-25.78 Gbps
- Temperature: Standard 0°-70°C
- Low Power Consumption: 1W (Typical)



25G Active Optical Cable: 25G-AOC-SFP28

Product Description:

25G-AOC-SFP28 is Multi Vendor (MSA) compatible 25G Active Optical Cable, operating over Multi-Mode Fiber (MMF), designed with total interconnection length up to 100 meter. 25G Active Optical Cable is equipped with MSA standard compatible SFP28 transceiver assembly at each end of cable and optical fiber which is permanently linked to the SFP28 connector delivering consistent link length. 25G Active optical cable uses 850nm VCSEL transmitter and PIN photo-detector receiver operating over OM3 MMF cable. Multi Vendor (MSA) compatible 25G-AOC-SFP28 25G Active Optical Cable supports 10.31-25.78 Gbps data rate and such applications as 25G Ethernet (25.78 Gbps). Most popular applications of 25G Active Optical Cable are cost effective close range interconnections within equipment room of telecom operators or data centers, interconnecting LAN or SAN applications with speeds up to 25G

25G Active Optical Cable is CE/RoHS certified and it is compliant with product safety standards. We perform compatibility tests for Multi Vendor (MSA) compatible 25G-AOC-SFP28 25G Active Optical Cable with latest platforms of Cisco networking equipment, which allows us to encode Active Optical Cable EEPROM memory to be compatible and work seamlessly with Cisco platforms. However, our 25G Active Optical Cable complies with SFP28 Multi Source Agreement SFF-8432 as well. Because our focus is providing top quality service, we are performing serious quality checks before delivery of our products. As a result, we do parameter measurements and Active Optical Cable EEPROM memory data validation tests. For Active Optical Cables there can be situations where custom interconnection solutions are required, where one end of the cable is used in one Brand equipment while other end of the cable is used in another Brand equipment and special coding needs to be used at the each side of the cable end for smooth interconnection. We will be glad to know your requirements.



Product Specification:

Parameter	Value
Media Type:	Multi-Mode Fiber (MMF)
DAC Cable Type:	OM3
TX Wavelength:	850nm
RX Wavelength:	850nm
Transmitter Type:	VCSEL Laser
Receiver Type:	PIN Photodiode
Maximum Distance:	1m, 2m, 3m, 4m, 5m, 7m, 10m, 15m, 20m, 25m, 30m, 50m, 100m
Supported Data Rate:	10.31-25.78 Gbps
Supported Applications:	25G Ethernet (25.78Gbps)
DDM/DOM:	Supported
Connectors:	SFP+
Temperature Range:	Standard 0°-70°C
Power:	+3.3V single power supply
MTBF:	1'000'000 Hours.
Compliance:	SFF-8432, CE, RoHS, SFF-8431, SFP MSA

Supported Versions:

PN	Description
25G-AOC-SFP28-1	Multi-Vendor Compatible 25G SFP28 to SFP28 Active Optical Cable (10.31-25.78 Gbps, Max. 1m, MMF, OM3, DDM/DOM supported, Temp. 0-70C)
25G-AOC-SFP28-2	Multi-Vendor Compatible 25G SFP28 to SFP28 Active Optical Cable (10.31-25.78 Gbps, Max. 2m, MMF, OM3, DDM/DOM supported, Temp. 0-70C)
25G-AOC-SFP28-3	Multi-Vendor Compatible 25G SFP28 to SFP28 Active Optical Cable (10.31-25.78 Gbps, Max. 3m, MMF, OM3, DDM/DOM supported, Temp. 0-70C)
25G-AOC-SFP28-4	Multi-Vendor Compatible 25G SFP28 to SFP28 Active Optical Cable (10.31-25.78 Gbps, Max. 4m, MMF, OM3, DDM/DOM supported, Temp. 0-70C)
25G-AOC-SFP28-5	Multi-Vendor Compatible 25G SFP28 to SFP28 Active Optical Cable (10.31-25.78 Gbps, Max. 5m, MMF, OM3, DDM/DOM supported, Temp. 0-70C)
25G-AOC-SFP28-7	Multi-Vendor Compatible 25G SFP28 to SFP28 Active Optical Cable (10.31-25.78 Gbps, Max. 7m, MMF, OM3, DDM/DOM supported, Temp. 0-70C)



PN	Description
25G-AOC-SFP28-10	Multi-Vendor Compatible 25G SFP28 to SFP28 Active Optical Cable (10.31-25.78 Gbps, Max. 10m, MMF, OM3, DDM/DOM supported, Temp. 0-70C)
25G-AOC-SFP28-15	Multi-Vendor Compatible 25G SFP28 to SFP28 Active Optical Cable (10.31-25.78 Gbps, Max. 15m, MMF, OM3, DDM/DOM supported, Temp. 0-70C)
25G-AOC-SFP28-20	Multi-Vendor Compatible 25G SFP28 to SFP28 Active Optical Cable (10.31-25.78 Gbps, Max. 20m, MMF, OM3, DDM/DOM supported, Temp. 0-70C)
25G-AOC-SFP28-25	Multi-Vendor Compatible 25G SFP28 to SFP28 Active Optical Cable (10.31-25.78 Gbps, Max. 25m, MMF, OM3, DDM/DOM supported, Temp. 0-70C)
25G-AOC-SFP28-30	Multi-Vendor Compatible 25G SFP28 to SFP28 Active Optical Cable (10.31-25.78 Gbps, Max. 30m, MMF, OM3, DDM/DOM supported, Temp. 0-70C)
25G-AOC-SFP28-50	Multi-Vendor Compatible 25G SFP28 to SFP28 Active Optical Cable (10.31-25.78 Gbps, Max. 50m, MMF, OM3, DDM/DOM supported, Temp. 0-70C)
25G-AOC-SFP28-100	Multi-Vendor Compatible 25G SFP28 to SFP28 Active Optical Cable (10.31-25.78 Gbps, Max. 100m, MMF, OM3, DDM/DOM supported, Temp. 0-70C)

Compatibility:

EDGE Optical transceivers can be provided with custom-encoded firmware, in order to provide compatibility with more than 100 vendor brands in data and telecom communications industry:

MS - General MSA
AD - ADVA
AE - Advantech
AL - Alcatel (Nokia)
AT - Allied Telesis
AR - Arista
AS - Arris
AV - Avaya
BC - Barracuda
BR - Broadcom
QL - Cavium (Qlogic)
CR - Ceragon
CP - Checkpoint
CH - Chelsio
CN - Ciena
CI - Cisco
LI - Cisco (Linksys)
CE - Comnet
CO - Coriant
DH - Dahua
DC - DCN
DL - Dell & Force10
DK - D-Link

DZ - DZS(Dasan-Zhone)
EI - ECI
EC - EdgeCore
EW - EdgeWare
EL - Eltex
EM - EMC2
EN - Enterasys
ER - Ericsson
EF - EXFO
EX - Extreme Networks
F5 - F5 Networks
FI - Finisar
FO - Fortinet
FU - Fujitsu
H3 - H3C
HI - Hirschmann
HU - Huawei
IB - IBM
IF - Infinera
IN - Intel
IX - Ixia
JU - Juniper Networks
KM - KeyMile

KY - KyLand
LN - Lenovo
ML - Mellanox
ME - Meraki (Cisco)
MT - MikroTik
MO - Moxa
MR - MRV
NC - NEC
NG - Netgear
NK - Nokia
NT - Nortel
NS - NSN
OR - Oracle
PA - Palo Alto Network
PL - Planet
QC - QCT(Quanta)
QN - QNAP
RD - RAD
RW - RadWare
RC - Raisecom
RK - Ruckus
RU - Ruijie Networks
SG - Samsung

SV - Sandvine
SC - Silicom
SF - SolarFlare
SW - Sonicwall
SM - Supermicro
SY - Synology
TC - Telco Systems
TP - TP-LINK
TN - Trendnet
UN - Ubiquiti Networks
VX - VeEx
WG - WatchGuard
WS - Waystream
WT - Westermo
ZT - ZTE
ZX - Zyxel
HP - HP
AG - Avago
OC - Oclaro
EU - Emulex
TM - Transmode
AU - HP Aruba
XX - Other



Warranty:

EDGE Optic's provides a limited **warranty for sixty (60) months** from Purchaser's receipt of the Equipment represented in this data sheet against defective design or workmanship. Warranty does not cover damage caused by improper deployment, misuse and accidents.

