



UT-A01CQS-XXXXYYY



LINK AMERICAN CABLING

AOC (Active Optical Cable)

100G QSFP28 AOC

Scope of Application

LINK 100G QSFP28 AOC are high performance, cost effective I/O solutions for 100G Ethernet applications. AOC is a multi-mode optical fiber with a module attached to each end. It uses electrical-to-optical conversion on the cable ends to improve speed and distance performance of the cable.

100G QSFP28 AOC allow hardware manufactures to achieve high port density, configurability, stability and utilization at a cost-effective and flexible short-reach in the interconnect system. The high speed cable assemblies meet Ethernet standard requirements for performance and reliability.

AOC cabling solutions offer for short-range transmissions and to be mostly used to interconnect between two devices for switches/servers to switches within or between different racks inside data center.

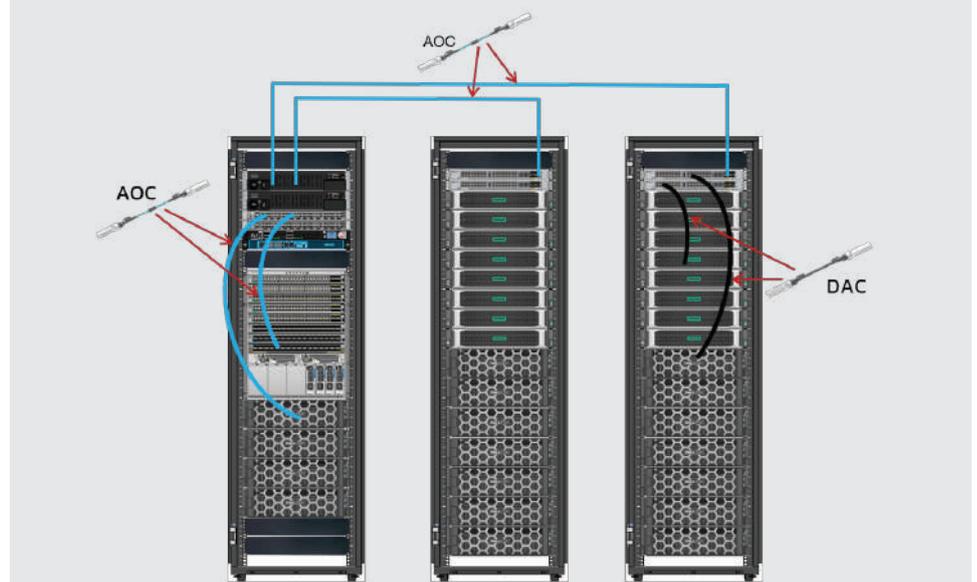
Features Highlight

- Hot-Pluggable and support data rate up to 100Gbps
- Compliant with IEEE 802.3bm 100 Gigabit Ethernet
- Compliant with Fibre Channel standard
- Compliant with QSFP28 MSA
- 850nm VCSEL transmitter
- PIN photo-detector receiver
- Compliant with SFF-8436
- All-metal housing for superior EMI performance
- Low power consumption
- Single +3.3V Power supply
- Operating temperature from 0°C to 70°C
- Cost effective QSFP28 solution, enables higher port densities and greater bandwidth
- RoHS Compliant

Applications

- Data center cabling infrastructure
- High Speed Data Center Interconnect
- 100 Gigabit Ethernet
- Fibre Channel
- Switch to Switch interface
- Network Storage
- Router/Server interface
- Switched backplane applications

Cable Typical Capability of Network Deployment





Technical Data

Standards	
IEEE 802.3bm	100 Gigabit Ethernet
Mechanical and Environment	
Form Factor	QSFP28
Connector Type	QSFP28 to QSFP28
Cable Length	Up to 100 meters
Power Supply Voltage	3.3V
Operating Temperature	0°C to 70°C
Storage Temperature	-40°C to 85°C
Operating Humidity	0% to 85% RH (non-condensing)
Storage Humidity	0% to 85% RH (non-condensing)
Compatible List	Alcatel, Allied Telesis, Arista, Aruba, Avaya, Brocade, Cisco, Cisco Meraki, Dahua, Dell, Delta, D-Link, Ericsson, Extreme, Fiberhome, Fortinet, H3C, Hikvision, Hirschmann, HP/HPE, Huawei, IBM, INTEL, Juniper, Linksys, Mellanox, MikroTik, Moxa, Netgear, Nokia, Nortel, Palo Alto, QNAP, Ruckus, Ruijie, Sophos, Synology, TP-Link, Ubiquiti, ZTE, Zyxel, etc.

Certifications	
EMI	FCC Class B & CE
Green Product	RoHS
Ordering Information	
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Note :

* Specifications subject to change without notice.

* XXXX is code of transeiver as requested from compatible list.

* YYY is length as requested (100G QSFP28 Up to 100m).

LC = LINK-Cisco FN = Fortinet

HP = Hewlett Packard HC = H3C

AB = Aruba HM = Hirschmann

AL = Alcatel-Lucent HW = Huawei

AT = Arista IB = IBM

AY = Avaya JP = Juniper

BC = Brocade MN = Mellanox

DL = Dell NK = Nokia

ES = Ericsson ZT = ZTE

ET = Extreme

Drawing

