



UT-A01CQS-XXXXYYY



## 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.

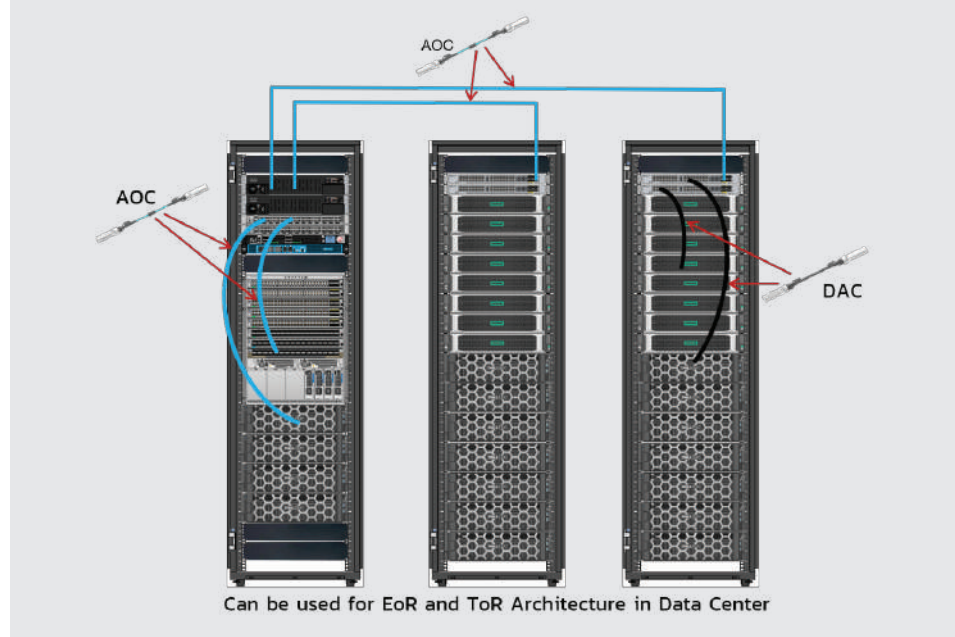
### Features Highlight

- 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 transceiver 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

