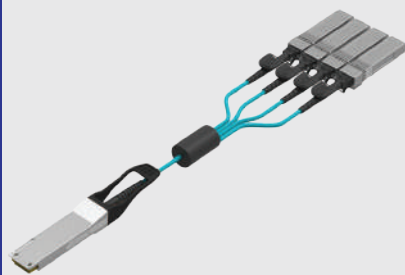




UT-A01CQS-4S-XXXXYYY



## AOC (Active Optical Cable)

100G QSFP28 to 4x25G SFP28 Breakout 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.

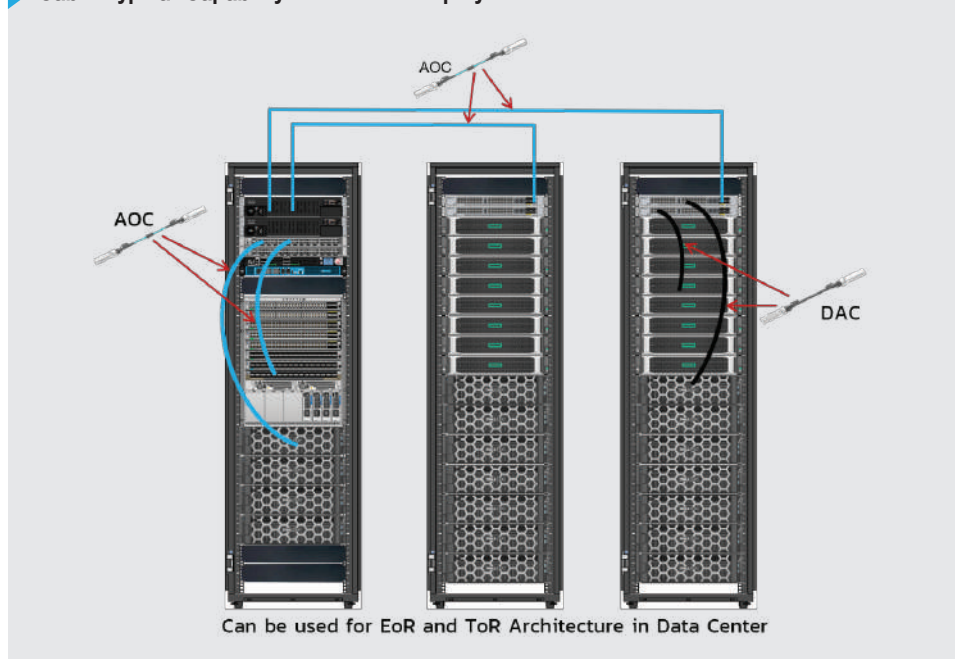
### Features Highlight

- Hot-Pluggable and support data rate up to 100Gbps
- Supporting 100Gbps to 4x25Gbps
- Compliant with IEEE 802.3bm 100 Gigabit Ethernet and IEEE 802.3by 25 Gigabit Ethernet
- Compliant with Fibre Channel standard
- Compliant with QSFP28 and SFP28 MSA
- 850nm VCSEL transmitter
- PIN photo-detector receiver
- Compliant with SFF-8436, SFF-8431
- 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, SFP28 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
- Pre-terminated design
- Switch to Switch interface
- Router/Server/Network Storage interface
- Switched backplane applications

### Cable Typical Capability of Network Deployment





# Technical Data

Standards	
IEEE 802.3by	25 Gigabit Ethernet
IEEE 802.3bm	100 Gigabit Ethernet
Mechanical and Environment	
Form Factor	QSFP28, SFP28
Connector Type	QSFP28 to 4xSFP28
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	
UT-A01CQS-XXXXYYY	100G QSFP28 AOC

**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

