UT-A40G-XXYYZZZ
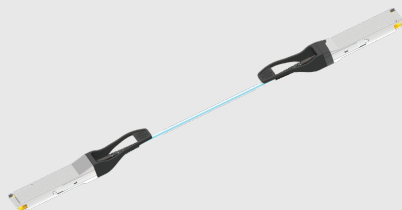
AOC (Active Optical Cable)

40G QSFP+ AOC

Scope of Application

LINK 40G QSFP+ AOC are high performance, cost effective I/O solutions for 40G 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.

40G QSFP+ 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.
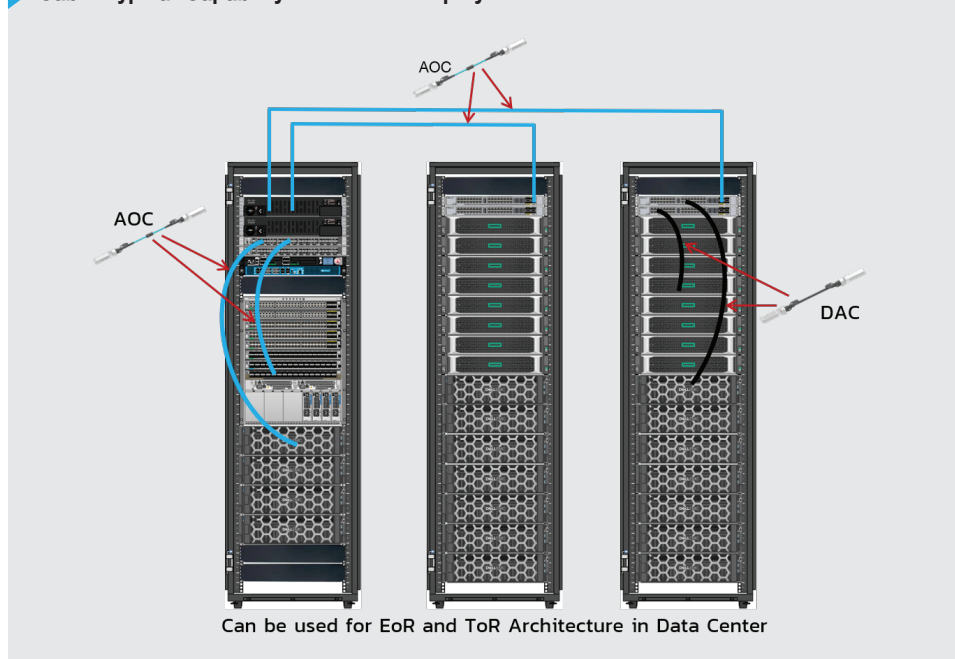
Features Highlight

- Hot-Pluggable and support data rate up to 40Gbps
- Compliant with IEEE 40Gigabit Ethernet standard
- Compliant with Fibre Channel standard
- Compliant with QSFP+ Multi Source Agreement (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 QSFP+ solution, enables higher port densities and greater bandwidth
- RoHS Compliant

Applications

- Data center cabling infrastructure
- High Speed Data Center Interconnect
- 40 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**

Can be used for EoR and ToR Architecture in Data Center

Technical Data

Standards	
IEEE 802.3ba	40 Gigabit Ethernet

Mechanical and Environment	
Form Factor	QSFP+
Connector Type	QSFP+ to QSFP+
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.

Certications	
EMI	FCC Class B & CE
Green Product	RoHS

Ordering Information	
UT-A40G-XXYYZZZ	40G QSFP+ AOC

Note :

* Specifications subject to change without notice.
* XX, YY: Code of transceiver as requested from compatible list.
* ZZZ: Length as requested (40G QSFP+ Up to 100m).

LC = LINK-Cisco		FN = Fortinet	
HP = Hewlett Packard		HC = H3C	
AB = Aruba		HM = Hirschmann	
AA = Adva/Adtran		HW = Huawei	
AL = Alcatel-Lucent		IB = IBM	
AT = Arista		IT = INTEL	
AY = Avaya		JP = Juniper	
BC = Brocade		MN = Mellanox	
CN = Ciena		NK = Nokia	
DL = Dell		SM = Siemens	
ES = Ericsson		ZT = ZTE	
ET = Extreme			

Drawing