AOC (Active Optical Cable)

10G SFP+ AOC

UT-A10G-XXXXYYY

Scope of Application

LINK 10G SFP+ AOC are high performance, cost effective I/O solutions for 10G 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.

10G SFP+ 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.
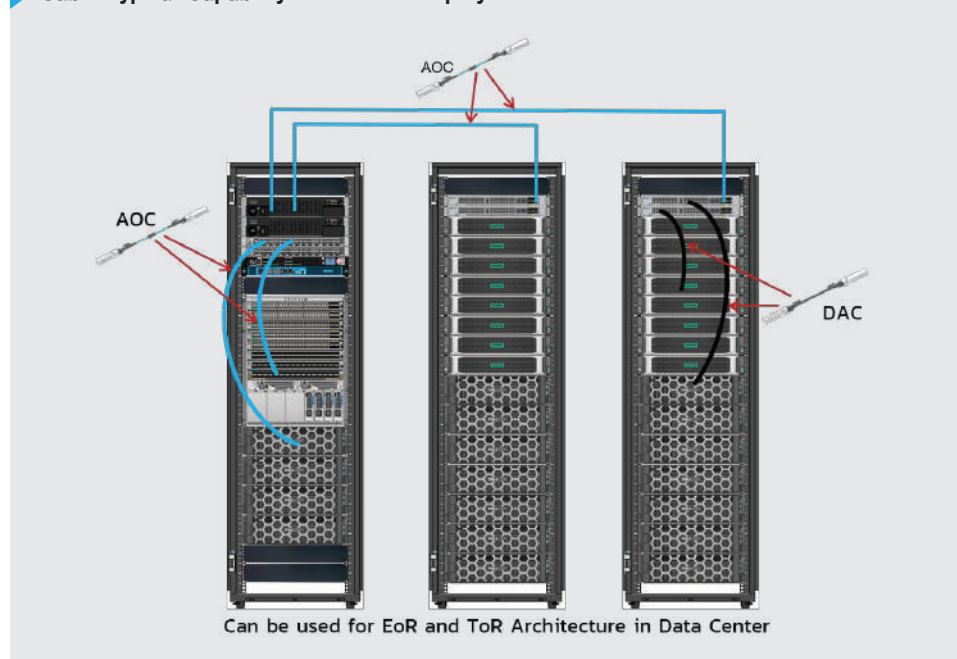
Features Highlight

- Hot-Pluggable and support data rate up to 10Gbps
- Compliant with IEEE802.3ae 10Gigabit Ethernet standard
- Compliant with Fibre Channel standard
- Compliant with SFP+ Multi Source Agreement (MSA)
- 850nm VCSEL transmitter
- PIN photo-detector receiver
- Compliant with SFF-8431 and SFF-8432

- 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 SFP+ solution, enables higher port densities and greater bandwidth
- RoHS Compliant

Applications

- Data center cabling infrastructure
- High Speed Data Center Interconnect
- 10 Gigabit Ethernet
- Fibre Channel

- Switch to Switch interface
- Network Storage
- Router/Server 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 802.3ae	10 Gigabit Ethernet

Mechanical and Environment	
Form Factor	SFP+
Connector Type	SFP+ to SFP+
Cable Length	Up to 300 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-A10G-XXXXYYY	10G SFP+ AOC

Note :

* Specifications subject to change without notice.
* XXXX is code of transceiver as requested from compatible list.
* YYY is length as requested (10G SFP+ Up to 300m).

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