LINK AMERICAN CABLING

UT-A25G-XXXXYYY

AOC (Active Optical Cable)

25G SFP28 AOC

Scope of Application

LINK 25G SFP28 AOC are high performance, cost effective I/O solutions for 25G 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.

25G SFP28 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.
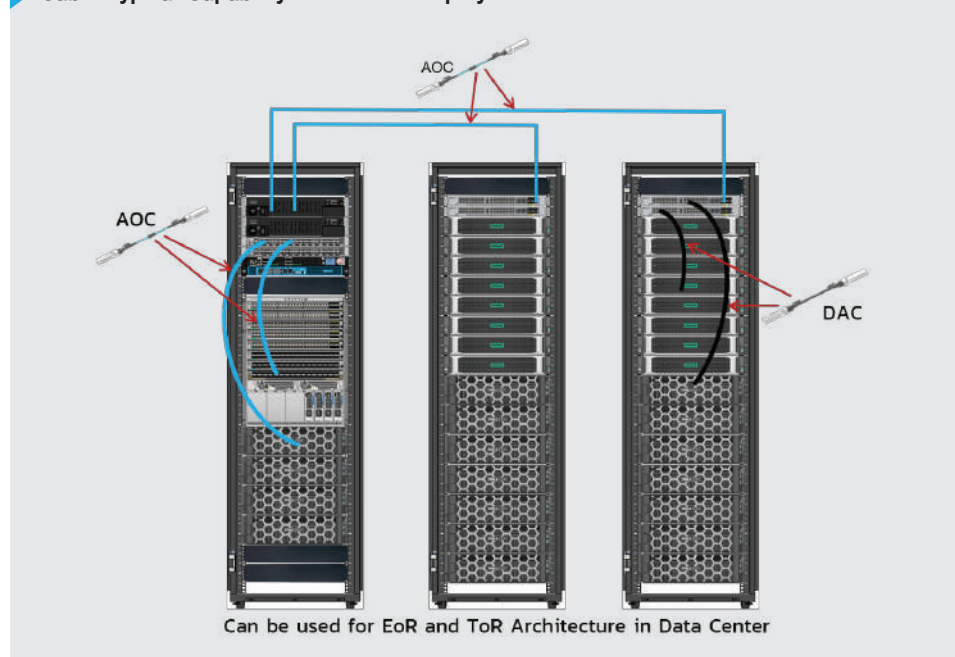
Features Highlight

- Hot-Pluggable and support data rate up to 25Gbps
- Compliant with IEEE 25Gigabit Ethernet standard
- Compliant with Fibre Channel standard
- Compliant with SFP28 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 $0^{\circ}C$ to $70^{\circ}C$
- Cost effective SFP28 solution, enables higher port densities and greater bandwidth
- RoHS Compliant

Applications

- Data center cabling infrastructure
- High Speed Data Center Interconnect
- 25 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

Standards	
IEEE 802.3 - 2016, 2017	25 Gigabit Ethernet

Mechanical and Environment

Mechanical and Environment	
Form Factor	SFP28
Connector Type	SFP28 to SFP28
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

Certications	
EMI	FCC Class B & CE
Green Product	RoHS

Ordering Information

Ordering Information	
UT-A25G-XXXXYYY	25G SFP+ AOC

Note :

* Specifications subject to change without notice.
* XXXX is code of transceiver as requested from compatible list.
* YYY is length as requested (25G SFP28 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