



Data-Sheet

SF28 25G AOC

Active Optical Cable

SFP28 25G Active Optical Cable (AOC)

JTOPTICS® 25G SFP28 AOC (Active Optical Cable) is a SFP28 MSA compliant, low power consumption and lightweight solution for 25G high speed interconnect applications over multi-mode fibers. It meets 25G Ethernet, InfiniBand EDR and CPRI/eCPRI protocols and is widely used in data centers, HPC (High-performance computing) and 5G fronthaul applications. The 25G SFP28 AOC cables provide an ideal alternative option to SFP28 direct attach copper cables (DAC) and SFP28 optical transceiver connections of short reach. The 25G SFP28 AOC cables are composed of SFP28 optical transceivers at both ends and OM3 or OM4 multi-mode fiber cable of different cable lengths.

JTOPTICS® Active Optical Cable (AOC) cable assemblies are designed to meet data center, networking and high-performance computing application needs for a high-density cabling interconnect system, compatibility with major brands like Cisco, Juniper, Arista, Dell, HPE, Extreme, Brocade, Mellanox, H3C, Intel, IBM, Nokia, Zte, Ciena, Huawei, Ixia etc.



- Hot-pluggable SFP28 AOC assemblies
- 1x 25G NRZ electrical interface
- 1x 25G NRZ optical interface
- Data rate up to 25.78125Gbps per channel.
- Compliant with SFP28 MSA, 25GBASE-SR Ethernet and InfiniBand EDR
- 850nm VCSEL laser • PIN photodetector.
- Low power consumption < 1W per end
- Compliant with InfiniBand QDR
- Length up to 300m using OM3 MMF
- Operating case temp. range 0°C to +70°C
- 3.3V power supply voltage
- RoHS-6 compliant (lead free)

3 Years Warranty

Name	25GBASE-SR SFP28 OM3 Multimode AOC Cable
Part Code	<u>JT-SFP28-25G-AOC-XX</u>
Connector - A	SFP28
Connector - B	SFP28
Cable Assembly Type	Active Optical Cable
Cable Type	Multimode OM3
Jacket Material	PVC/OFNP
Operating Temperature Range	0 to 70°C (32 to 158°F)
Protocols	25 Gigabit Ethernet
Max Data Rate	25Gbps
Application	Data com Network 25 Gigabit Ethernet Data Centre IEEE 802.3ae 25GBASE-SR Servers, switches, storage

About JT

In the dynamic realm of technology and innovation, the emergence of Jayani Technologies Limited has been nothing short of a saga marked by ingenuity, resilience, and a steadfast commitment to excellence. Originating as Jayani Technologies LLP in 2011 in the vibrant city of Mumbai, India, the company has evolved into a trailblazer in its domain. This narrative unfolds against the backdrop of the company's expansion into Hong Kong, a strategic move signaling its intent to conquer new horizons.

Established in 2011, Jayani Technologies (JTOPTICS[®]) was conceived as a response to the evolving technological landscape, recognizing the need for cutting-edge solutions that marry innovation with reliability. The Mumbai headquarters became the crucible for the company's early endeavor, a melting pot of talent and vision that propelled Jayani Technologies into the forefront of its industry and emerged as a leading manufacturer and supplier of cutting-edge solutions in the fields of optical Fiber, data center, networking, and electric vehicle components.

From its inception, the company distinguished itself by its unwavering commitment to client satisfaction, a commitment that became the cornerstone of its success. Jayani Technologies quickly became synonymous with technological prowess and an unwavering dedication to delivering solutions that transcended conventional boundaries.

JTOPTICS[®] has developed and produced many active and passive interconnection and connectivity products suitable for different networks, aiming to become a one-stop device integration solution provider in the open optical network field, products include MPO Cables, AOC cable, passive DAC cable, optical transceivers, optical modules & subsystems, active & passive optical components, and high-density cabling products.

Vision

Our vision is to be recognized by clients as trustful a trusted business partner whose mission is to help our clients by offering state-of-the-art products and services.

Mission

Our mission is to catalyze the success of its clients by providing unparalleled technological solutions. The company envisions itself as a catalyst for positive change, aiming to reshape industries through innovation, integrity, and a relentless pursuit of excellence.

Our Clients



ciena

ADVA[™]
Optical Networking

colt

CISCO

Coriant

MAVENIR



इसरो isro

JUNIPER
NETWORKS

TEJAS[®]
NETWORKS

भारत इलेक्ट्रॉनिक्स
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