



Data-Sheet

SFP+ 10G AOC

Active Optical Cable

SFP+ 10G Active Optical Cable (AOC)

JTOPTICS® SFP+ Active Optical Cable (AOC) is designed to support single channel, high speed data link applications. This cable is a full duplex construction capable of transmitting data at rates up to 10Gb/s and supporting signal transmission at distances between 1m and 100m. It is fully compatible with industry standard SFF-8431 Pluggable (SFP+) interface requirements and performance. 10G SFP+ Active Optical Cables (AOCs) are direct-attach fiber assemblies with SFP+ connectors. They are suitable for short distances and offer a cost-effective solution to connect within racks and across adjacent racks. The length is up to 300 meters using OM3 MMF.

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.



- SFF-8431 compliant
- SFP+ form-factor connectors
- 1x 10G NRZ electrical interface
- 1x 10G NRZ optical interface
- Hot-pluggable electrical interface
- Transmission data rate up to 10.3Gbps
- 850nm VCSEL laser • PIN photo-detector.
- Low power consumption < 1W per end
- Compliant with InfiniBand QDR
- Length up to 300m using OM2 MMF
- All-metal housing for superior EMI performance
- Operating case temp. range 0°C to +70°C
- 3.3V power supply voltage
- RoHS-6 compliant (lead free)

3 Years Warranty

Description	10GBASE-SR SFP+ OM3 Multimode AOC Cable
Part Code	JT-SFP-10G-AOC-XX
Connector - A	SFP+
Connector - B	SFP+
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	1x InfiniBand QDR, DDR, SDR, 10G Ethernet, Fibre Channel
Max Data Rate	10Gbps
Application	Data com Network 10 Gigabit Ethernet Data Centre IEEE 802.3ae 10GBASE-SR InfiniBand SDR/DDR/QDR
Warranty	3 Years

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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





Our Contact



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