



Data-Sheet

QSFP-DD to 2xQSFP56
400G to 2x200G Splitter AOC
Active Optical Cable

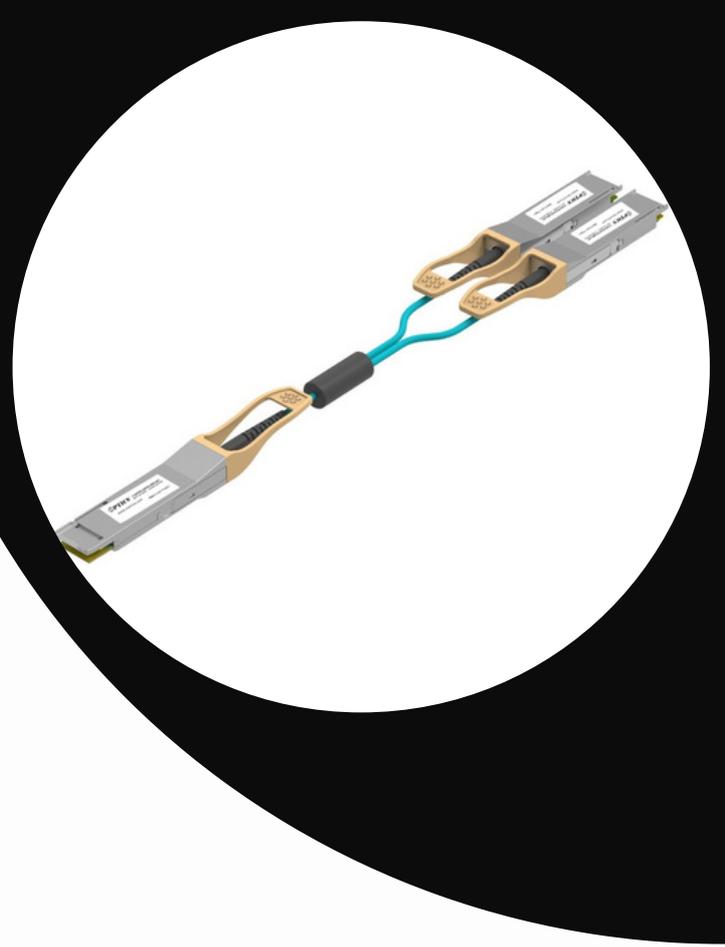
400G to 2x200G Splitter Active Optical Cable (AOC)

JTOPTICS® 400G QSFP-DD Breakout AOC (Active Optical Cable) assemblies include 400G QSFP-DD to 2x 200G QSFP56 breakout AOC. The module integrates eight parallel lanes on 400G end and fan-out to two parallel lanes on each 200G end. Each lane operate 53.125Gb/ps PAM4 modulation signal. These 400G parallel breakout Active Optical Cable (AOC) assemblies transmit parallel 8x 50G PAM4 signals over multi-mode fiber (MMF) cables up to 100m. Compliant with QSFP-DD/SFP MSA and CMIS 4.0. They are designed with high performance, high density and low power, which are suitable for short range interconnection for data center, high-performance computing networks.

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 QSFP-DD/QSFP56 form factor full-duplex transceiver assembly
- 8-channels 850nm VCSEL array and PIN photo-detector array
- Data rate up to 53.125Gbps (26.5625GBd PAM4) per channel.
- 400GAUI-8 and 200GAUI-4 electrical interfaces
- Compliant with QSFP-DD MSA, CMIS 4.0 and IEEE 802.3cm 400GBASE-SR8
- Compliant with QSFP56 MSA and IEEE 802.3cd 200GBASE-SR4
- Compliant with InfiniBand HDR/HDR100
- MMF cable with customizable length up to 70m (OM3) or 100m (OM4/OM5)
- 9W maximum power dissipation each side
- Case operating case temperature 0 to 70°C
- Single 3.3V power supply
- Built-in digital diagnostic functionality
- RoHS compliant (lead free)

3 Years Warranty



Name	400GBASE-SR8 QSFP-DD to 2XQSFP56 Multimode AOC Cable
Part Code	JT-QSFPDD-QSFP56-400G-AOC-XX
Connector - A	QSFP-DD
Connector - B	2XQSFP56
Cable Assembly Type	Active Optical Cable
Cable Type	Multimode OM3/OM4/OM5
Jacket Material	PVC/OFNP
Operating Temperature Range	0 to 70°C (32 to 158°F)
Protocols	IEEE 802.3cd, IEEE 802.3bs, QSFP-DD MSA
Max Data Rate	400Gbps
Application	400G Ethernet IEEE 802.3cd 400GBASE-SR8 InfiniBand HDR/HDR100 Data Center Intra connection High-Performance Computing

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

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BHARAT ELECTRONICS

HITACHI

एनटीपीसी
NTPC

TATA

LARSEN & TOUBRO



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