



# Data-Sheet

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**QSFPDD to 2xQSFP28**  
**200G to 2x100G Splitter AOC**  
**Active Optical Cable**

# 200G to 2x100G Splitter Active Optical Cable (AOC)

JTOPTICS® 200G QSFP28-DD Breakout AOC is a QSFP56 VCSEL-based (Vertical Cavity Surface-Emitting Laser), cost effective 200Gb/s to 2 x 100Gb/s active optical splitter cable (AOC) designed for use in 200G/2x100G Ethernet and InfiniBand EDR applications. It is compliant with QSFP28 and QSFP-DD MSA specifications. It provides connectivity between system units with a 200Gb/s QSFP-DD connector on one side and two separate 100Gb/s QSFP28 connectors on the other side, such as link between a switch and two servers. The cable connects data signals of 8x25G NRZ from one single QSFP-DD end to two QSFP28 ends, which operates 4 x25G NRZ signals each.



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 and QSFP28 MSA Compliant
- 4-channel 850nm VCSEL array and PIN photo-detector array
- Supports 200G to 2x 100G Ethernet Interoperability
- 8x 25G NRZ electrical interface
- 8x 25G NRZ optical interface
- Data rate up to 25.78125Gbps per channel.
- Compliant with QSFP-DD MSA, CMIS and IEEE 802.3
- Low power dissipation
- Max. Power Consumption 4W
- Commercial or industrial case operating temperature range
- MMF cable with customizable length up to 70M (OM3) & 100m (OM4)
- Single 3.3V power supply
- Built-in digital diagnostic functionality
- RoHS compliant (lead free)

**3 Years Warranty**

<b>Name</b>	200GBASE-SR4 QSFP-DD to 2XQSFP28 Multimode AOC Cable
<b>Part Code</b>	JT-QSFPDD-QSFP28-200G-AOC-XX
<b>Connector - A</b>	QSFP-DD
<b>Connector - B</b>	2XQSFP28
<b>Cable Assembly Type</b>	Active Optical Cable
<b>Cable Type</b>	Multimode OM3/OM4
<b>Jacket Material</b>	PVC/OFNP
<b>Operating Temperature Range</b>	0 to 70°C (32 to 158°F)
<b>Protocols</b>	QSFP-DD MSA V5.0, QSFP28 MSA, CMIS V4.0, SFF-8636
<b>Max Data Rate</b>	200Gbps
<b>Application</b>	Data Center networking External Storage Systems High Performing Computing (HPC) Applications Networked storage systems

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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<sup>®</sup>) 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<sup>®</sup> 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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**JAYANI TECHNOLOGIES LLP**