



# Data-Sheet

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**QSFP+ to 4xSFP+**  
**40G to 4x10G Splitter AOC**  
**Active Optical Cable**

# 40G to 4x10G Splitter Active Optical Cable (AOC)

JTOPTICS<sup>®</sup> 40G QSFP+ AOC (active optical cables) breakout cables are designed for interconnection between the network equipment with QSFP+ ports and 10G SFP+ ports. QSFP+ AOC breakout cables could also be called QSFP+ splitter AOC or QSFP+ Fan-out AOC cables. The QSFP+ to 4x SFP+ breakout AOC offers four parallel bi-directional channels which operating at 10.3125 Gbps. It is built one end with one 40G QSFP+ module and the other ends with 4 10G SFP+ modules, which are connected with fixed length OM3/OM4 fiber cables. It is lighter, softer and more flexible than QSFP+ copper breakout cables, making it ideal for installation in tight spaces and over longer distances.



JTOPTICS<sup>®</sup> 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+/SFP+ form factor full-duplex AOC assembly
- 4-channel 850nm VCSEL and PIN photo-detector.
- Data rate up to 10.3125Gbps per channel.
- Compliant with QSFP+ MSA (SFF-8436) and SFP+ MSA (SFF-8431)
- Compliant with SFF-8432 and SFF-8472
- Compliant with IEEE 802.3ba 40GBASE-SR4 and IEEE 802.3ae 10GBASE-SR
- Compliant with InfiniBand SDR/DDR/QDR
- MMF cable with customizable length up to 100m (OM3)
- 1.5W maximum power dissipation per 40G QSFP+ SR4 module
- Case operating case temp. 0 to 70°C
- 3.3V power supply voltage
- Built-in digital diagnostic functionality
- RoHS compliant (lead free)

<b>Description</b>	40GBASE-SR4 QSFP+ to 4xSFP+ OM3 Multimode AOC Cable
<b>Part Code</b>	JT-QSFP-SFP-40G-AOC-XX
<b>Connector - A</b>	QSFP+
<b>Connector - B</b>	4xSFP+
<b>Cable Assembly Type</b>	Active Optical Cable
<b>Cable Type</b>	Multimode OM3
<b>Jacket Material</b>	PVC/OFNP
<b>Operating Temperature Range</b>	0 to 70°C (32 to 158°F)
<b>Protocols</b>	40G InfiniBand 8x DDR, 4x QDR, 10/40 Gigabit Ethernet, Fibre Channel
<b>Max Data Rate</b>	40Gbps
<b>Application</b>	40G Ethernet IEEE 802.3ba 40GBASE-SR4 10G Ethernet IEEE 802.3ae 10GBASE-SR InfiniBand 4x SDR/DDR/QDR Data Center Interconnection High-Performance Computing Servers, switches, storage
<b>Warranty</b>	3 Years

**3 Years Warranty**

## 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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