# Data-Sheet

## QSFP28 to 4xSFP28
## 100G to 4x25G Splitter AOC
## Active Optical Cable

JT**PTICS**®

Next-Gen Network Solutions

# 100G to 4x25G Splitter Active Optical Cable (AOC)

JTOPTICS® 100G QSFP28 breakout AOC (active optical cable) is designed for the interconnection between 100G Ethernet (100GbE) and 4x 25G Ethernet (25GbE). The QSFP28 to 4x SFP28 AOC cable is also known as 100G QSFP28 hybrid optical cable, 100G QSFP28 splitter AOC or 100G QSFP28 Fan-out AOC. The 100G QSFP28 breakout AOC offers four parallel, bi-directional channels each operating at up to 25 Gbps. Using industry-leading COB technology and high-performance optical engine of VCSEL laser and OM3 multi-mode fiber, this AOC breakout cables provide a highly cost-effective and low-power consumption connectivity for the high-performance computing (HPC), data center and storage networks applications.
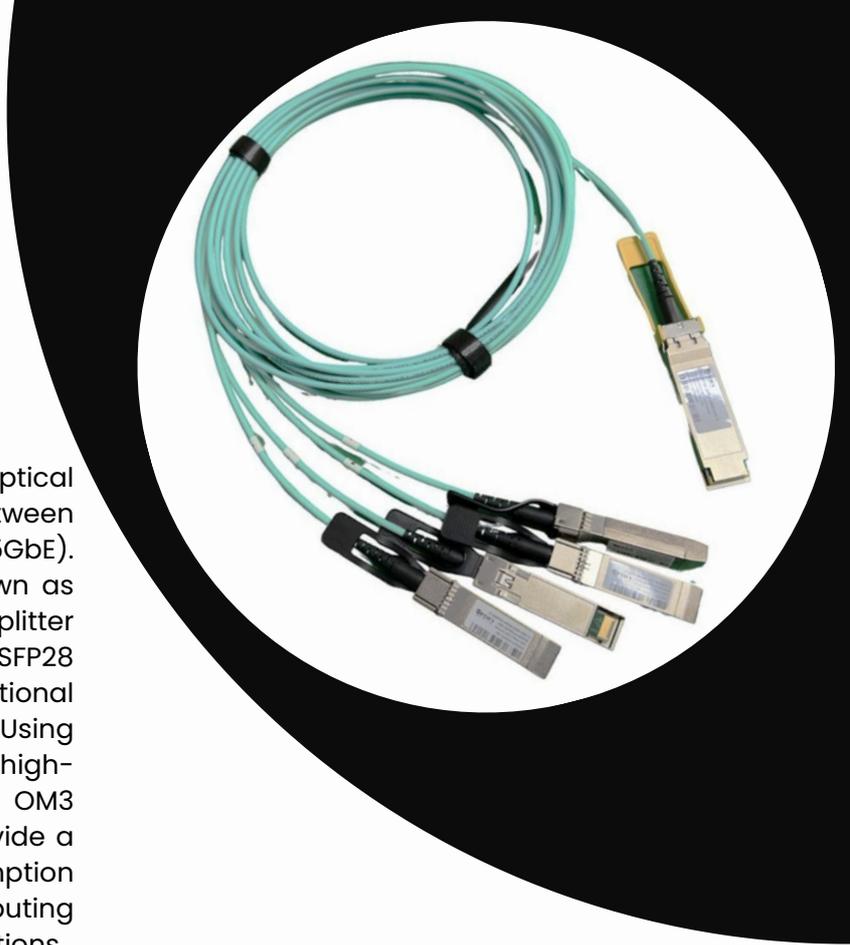
JTOPTICS® Active Optical Cable (AOC) cable assemblies are designed to meet data center, networking and high-performance computing application needs for a high-density cabling interconnect system, compatibility with major brands like Cisco, Juniper, Arista, Dell, HPE, Extreme, Brocade, Mellanox, H3C, Intel, IBM, Nokia, Zte, Ciena, Huawei, Ixia etc.

- Hot Pluggable QSFP28 and SFP28 MSA Compliant
- 4 channels full-duplex transceiver modules
- Supports 100Gbps total data rate.
- 4 channels 850nm VCSEL array
- 4 channels PIN photo detector array
- MMF cable with customizable length up to 70m (OM3)
- Electrical interface compliant to SFF-8436 and SFF-8431
- 4x 25G NRZ electrical interface
- 4x 25G NRZ optical interface
- Low power consumption<3.5W
- Data rate up to 25.78125Gbps per channel.
- Case operating case temp. 0 to 70ºC
- 3.3V power supply voltage
- RoHS compliant (lead free)

**3 Years Warranty**

| Name | 100GBASE-SR4 QSFP28 to 4xSFP28 OM3 Multimode AOC Cable |
|---|---|
| Part Code | JT-QSFP28-SFP28-100G-AOC-**XX** |
| Connector - A | QSFP28 |
| Connector - B | 4xSFP28 |
| Cable Assembly Type | Active Optical Cable |
| Cable Type | Multimode OM3 |
| Jacket Material | PVC/OFNP |
| Operating Temperature Range | 0 to 70ºC (32 to 158ºF) |
| Protocols | 25G/100G Ethernet, InfiniBand QDR |
| Max Data Rate | 100Gbps |
| Application | 25GBASE-SR Ethernet 100GBASE-SR4 Ethernet InfiniBand EDR 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.

# JT**PTICS**®
Next-Gen Network Solution..

## **Our** Clients

ciena

**ADVA**
Optical Networking

colt

CISCO

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**M**AVENIR

ISRO

JUNIPER
NETWORKS

TEJAS
NETWORKS

भारत इलेक्ट्रॉनिक्स
BHARAT ELECTRONICS

HITACHI

एनटीपीसी
NTPC

TATA

LARSEN & TOUBRO

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