



# Data-Sheet

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**QSFP28-DD to 2xQSFP28**

**200G to 1x100G DAC**

**Direct Attached Cable**

# 200G to 2x100G Passive Breakout Direct Attached Cable (DAC)

JTOPTICS 200G QSFP28-DD Breakout DAC cables include 200G QSFP-DD to 2x100G QSFP28 breakout copper cables and 200G QSFP-DD to 8x 25G SFP28 Passive Direct Attach Copper Breakout Cables. It splits the QSFP28-DD port of 200G signal (8x 25G-NRZ) into two QSFP28 ports of 100G signal (4x 25G-NRZ), or eight SFP28 ports of 25G signal (25G-NRZ). The 200G QSFP-DD breakout DAC splitter cables are high-speed, cost-effective alternatives to fiber optics in 200Gb/s Ethernet applications. The passive DAC uses simply copper wires and have no electronics, zero power consumption, and minimal latency and insertion losses. It also enables higher port bandwidth, density and configurability at low cost and reduced power requirement of data centers.



Direct attach copper (DAC) cables, also known as Twinax cables, are suitable for in-rack connections between servers and switches. They are suitable for short distances, making them ideal for highly cost-effective networking connectivity within a rack and between adjacent racks. JTOPTICS twinax copper cables are available with brand compatible version and compatible with major brands like Cisco, Finisar, Juniper, Arista, Dell, HPE, Extreme, Brocade, Mellanox, H3C, Intel, IBM, Nokia, Ciena, Huawei, Ixia.

- Hot-pluggable QSFP-DD DAC cable assemblies
- 8x 25G NRZ electrical interface
- Data rate up to 25.78125Gbps per channel.
- Compliant with QSFP-DD MSA, CMIS and IEEE 802.3
- Low power consumption
- Commercial case operating temp. range
- Single 3.3V power supply
- RoHS compliant (lead free)
- Minimum Bend Radius 35mm for Flexible Routing
- Supports 200G to 2x 100G Ethernet Interoperability

**3 Years Warranty**

<b>Name</b>	200G DAC Cable QSFP28-DD to 2xQSFP28 passive twinax copper cable
<b>Part Code</b>	<u>JT-QSFP28DD-QSFP28-200G-DAC-XX</u>
<b>Connector - A</b>	QSFP28-DD
<b>Connector - B</b>	QSFP28
<b>Cable Assembly Type</b>	Passive Twinax Copper Cable
<b>Protocols</b>	InfiniBand EDR, 200GBASE-CR4
<b>Jacket Material</b>	PVC/LSZH
<b>Commercial Temperature Range</b>	0 to 70°C (32 to 158°F)
<b>Cable Type</b>	26 AWG (Up to 5 Meter)
<b>Max Data Rate</b>	200Gbps
<b>Application</b>	Switches, servers and routers Data Center networks Storage area networks 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<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



**ciena**

**ADVA**<sup>™</sup>  
Optical Networking

**colt**

**CISCO**

**Coriant**

**MAVENIR**



**इसरो isro**

**JUNIPER**  
NETWORKS

**TEJAS**<sup>®</sup>  
NETWORKS

**भारत इलेक्ट्रॉनिक्स**  
**BHARAT ELECTRONICS**

**HITACHI**

**एनटीपीसी**  
**NTPC**

**TATA**

**LARSEN & TOUBRO**



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