Data-Sheet

QSFP56 200G DAC
Direct Attached Cable

JT**PTICS**®

Next-Gen Network Solutions

QSFP56 200G Passive Direct Attached Cable (DAC)

JTOPTICS QSFP56 passive copper cable assembly feature eight differential copper pairs, providing four data transmission channels at speeds up to 56Gbps (PAM4) per channel, and meets 200G Ethernet and InfiniBand Enhanced Data Rate (EDR) requirements. Available in a broad range of wire gages-from 26AWG through 30AWG-this 200G copper cable assembly features low insertion loss and low cross talk. QSFP56 uses PAM4 signals for transmission, which doubles the rate. However, there are more stringent requirements for cable insertion loss. For detailed requirements, please see High Speed Characteristics.

200G QSFP56 DAC cables are suitable for very short links and offer a cost-effective way to establish a 200-Gigabit link between QSFP-200G ports of switches/routers within racks and across adjacent racks.

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 QSFP56 form factor
- Data rate up to 212.5Gbps
- 4x 53Gb/s PAM4 modulation
- QSFP56 MSA compliant
- Operating case temperature of 0-70ºC
- Single 3.3V supply voltage
- Bit Error Rate (BER) better than 1E-15
- RoHS compliant
- SFF-8636 compliant
- I2C management interface
- Data rate up to 53.125Gbps per channel.
- Compliant with QSFP56 MSA, CMIS and IEEE 802.3
- Low power dissipation

3 Years Warranty

Name	200G DAC Cable QSFP56 to QSFP56 passive twinax copper cable
Part Code	JT-QSFP56-200G-DAC-**XX**
Connector - A	QSFP-56
Connector - B	QSFP-56
Cable Assembly Type	Passive Twinax Copper Cable
Protocols	InfiniBand HDR, 200GBASE-CR4
Jacket Material	PVC/LSZH
Commercial Temperature Range	0 to 70ºC (32 to 158ºF)
Cable Type	26 AWG (Up to 5 Meter)
Max Data Rate	200Gbps
Application	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®) 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.
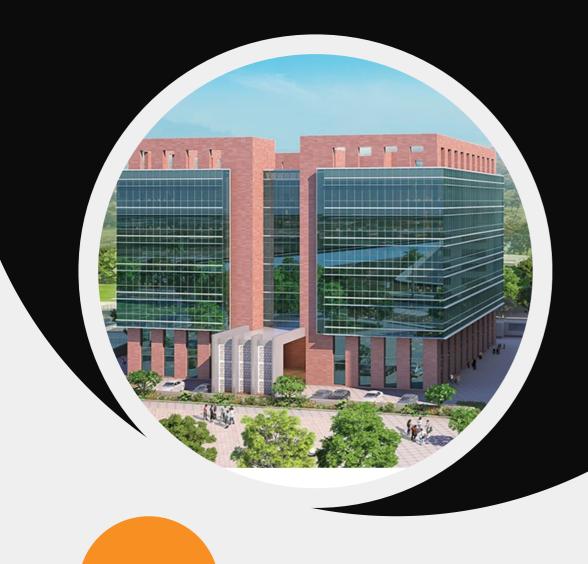
JT OPTICS®
Next-Gen Network Solution..

Our Clients

ciena

ADVA
Optical Networking

colt

CISCO

Coriant

MAVENIR

DEFENCE R&D ORGANISATION
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HITACHI

एनटीपीसी
NTPC

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LARSEN & TOUBRO

Our Contact

Hongkong

India

Singapore

Malaysia

Qatar

📞 +91-86-9309-9309

✉️ info@jtoptics.com

🌐 www.jtoptics.com

📍 409-410 Lodha I-Think, B-Block, Palava, Dombivali (E), Thane, MH 421204

JAYANI TECHNOLOGIES LLP