



Data-Sheet

QSFP56 to 4xSFP56
200G to 4x50G DAC
Direct Attached Cable

200G to 4x50G Passive Breakout Direct Attached Cable (DAC)

JTOPTICS 200G QSFP56 Breakout DAC cables include 200G QSFP56 to 4x50G SFP56 breakout copper cables and 200G QSFP56 to 2x 100G SFP56 Passive Direct Attach copper breakout cables. It splits a QSFP56 port with 200GE/200G HDR signal (4x 50G-PAM4) into four SFP56 ports with 50G signal (50G-PAM4). The 200G QSFP56 breakout DAC splitter cables are high-speed, cost-effective alternatives to fiber optics in 200Gb/s Ethernet and InfiniBand HDR applications. The passive DAC uses simply copper wires and have no electronics, zero power consumption, and have the lowest latency and insertion losses. It also enables higher port bandwidth, density and configurability at low cost and reduced power requirements in the 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 QSFP56/SFP56 form factor
- Data rate up to 212.5Gbps
- QSFP56/SFP56 MSA compliant
- 4x 53Gb/s PAM4 modulation
- QSFP56 MSA compliant
- Operating case temperature of 0-70°C
- 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.
- Low power dissipation

3 Years Warranty



Name	200G to 4x50G DAC Cable QSFP56 to SFP56 passive twinax copper cable
Part Code	<u>JT-QSFP56-SFP56-200G-DAC-XX</u>
Connector - A	QSFP-56
Connector - B	SFP-56
Cable Assembly Type	Passive Twinax Copper Cable
Protocols	InfiniBand HDR, 200GBASE-CR4
Jacket Material	PVC/LSZH
Commercial Temperature Range	0 to 70°C (32 to 158°F)
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.

Our Clients



ciena

ADVA
Optical Networking

colt

CISCO

Coriant

MAVENIR



इसरो isro

JUNIPER
NETWORKS

TEJAS
NETWORKS

भारत इलेक्ट्रॉनिक्स
BHARAT ELECTRONICS

HITACHI

एनटीपीसी
NTPC

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LARSEN & TOUBRO



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