



Data-Sheet

QSFPDD 800G Base Direct Attached Cable

800G QSFPDD Passive Direct Attached Cable (DAC)

JTOPTICS 800G QSFP-DD DAC (Passive Direct Attach Copper) enables high-bandwidth 800G links and supports 800G Ethernet rate. 800G Passive Direct Attach Copper Cable is compliant with the QSFP-DD-MSA and IEEE802.3ck, it's high-performance & cost-effective I/O solutions for LAN, HPC, and SAN. The high-speed cable assemblies meet and exceed 800G Ethernet, InfiniBand EDR /HDR, and temperature requirements for performance and reliability.

The 800G QSFP-DD DAC assembly meets QSFP112-DD MSA, IEEE802.3ck, 400GBase-CR4, 200Gbase-CR2 and 100GBase-CR1 standards.



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 100G PAM4 electrical interface
- Data rate up to 106.25Gbps per channel.
- Compliant with QSFP-DD MSA, CMIS & IEEE 802.3
- Support 800G for Higher Port Density
- Low power dissipation
- Commercial case operating temp. range
- Single 3.3V power supply
- Built-in digital diagnostic functionality
- RoHS compliant
- Low power dissipation
- Excellent signal integrity & low insertion loss
- Minimum Bend Radius 69mm

3 Years Warranty

Name	800G DAC Cable QSFP-DD to QSFP-DD 26AWG, Passive Direct Attached Cable
Part Code	<u>JT-QSFPDD-800G-DAC-XX</u>
Connector - A	QSFP-DD
Connector - B	QSFP-DD
Cable Assembly Type	Passive Twinax Copper Cable
Protocols	InfiniBand HDR, 800GBASE-CR4, IEEE 802.3ck, QSFP-DD MSA, IEEE 802.3bj and IEEE 802.3cd
Jacket Material	PVC/LSZH
Commercial Temperature Range	0 to 70°C (32 to 158°F)
Cable Type	26 AWG (Up to 1 Meter)
Max Data Rate	800Gbps
Application	Data com Network 800 Gigabit Ethernet Data Centre InfiniBand HDR 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.

Our Clients



ciena

ADVA[™]
Optical Networking

colt

CISCO

Coriant

MAVENIR



इसरो isro

JUNIPER
NETWORKS

TEJAS[®]
NETWORKS

भारत इलेक्ट्रॉनिक्स
BHARAT ELECTRONICS

HITACHI

एनटीपीसी
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TATA

LARSEN & TOUBRO



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