



Data-Sheet

100G to 4x25G

QSFP28 to 4xSFP28 DAC

Direct Attached Cable

QSFP28 to 4xSFP28 Breakout Passive Direct Attached Cable (DAC)

JTOPTICS 100G QSFP28 to 4x 25G SFP28 PCC (Passive Copper Cable), also known as Direct Attach Copper (DAC) cable or Twinax cable, provides robust connections between 100G Ethernet and 25G Ethernet systems. Each cable consists of four lanes each operating at data rates of up to 25Gb/s. The passive copper cables require no additional power to ensure quality connectivity. The cables are compliant with SFF-8402 SFP28 and SFF-8665 QSFP28 standard specifications and provide connectivity between system units with a QSFP28 port on one side and up to four different SFP28 ports on the other.



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 QSFP28 DAC cable assemblies
- 4-channel full-duplex passive copper cable
- SFF-8665/SFF-8402 compliant QSFP28/SFP28 connectors
- Compliant with QSFP28 MSA and IEEE 802.3
- 4x 25G NRZ electrical interface
- SFF-8636 compliant I2C management interface
- IEEE 802.3bj 100GBASE-CR4 compliant
- IEEE 802.3by 25GBASE-CR compliant
- Data rate up to 100Gbps (4x 25Gbps)
- Excellent signal integrity, low insertion loss and low crosstalk
- Low power dissipation
- Operating case temp. range: 0°C to +70°C
- Single 3.3V supply voltage
- RoHS compliant

3 Years Warranty

Name	100G DAC Cable QSFP28 to 4xSFP28 Breakout passive twinax copper cable
Part Code	<u>JT-QSFP28-SFP28-100G-DAC-XX</u>
Connector - A	QSFP28
Connector - B	4 X SFP28
Cable Assembly Type	Passive Twinax Copper Cable
Protocols	InfiniBand EDR, 100GBASE-CR8, SFF-8665, QSFP28 MSA, SFF-8636, SFF-8679
Jacket Material	PVC/LSZH
Commercial Temperature Range	0 to 70°C (32 to 158°F)
Cable Type	30 AWG (up to 2 Meter) 26 AWG (up to 5 meter)
Max Data Rate	100Gbps
Application	Data com Network 100 Gigabit Ethernet Data Centre 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.

Our Clients



ciena

ADVA[™]
Optical Networking

colt

CISCO

Coriant

MAVENIR



इसरो isro

JUNIPER
NETWORKS

TEJAS[®]
NETWORKS

भारत इलेक्ट्रॉनिक्स
BHARAT ELECTRONICS

HITACHI

एनटीपीसी
NTPC

TATA

LARSEN & TOUBRO



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