Data-Sheet

QSFP+ to 4xSFP+
40G to 4x10G Splitter DAC
Direct Attached Cable

JTPTICS®

Next-Gen Network Solutions

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JTOPTICS®
Next-Gen Network Solution..

QSFP+ (40G) to 4 x SFP+ (10G) Passive Direct Attached Cable (DAC)

JTOPTICS 40G QSFP+ Breakout DAC cable is built one end with 40G QSFP+ module and the other end breakout with four 10G SFP+ modules or four 10G XFP modules. It provides a cost effective way of connect 40 GbE QSFP+ ports to 4 x 10 GbE SFP+/XFP ports between servers, storage and other equipment over short distances. These DAC breakout cables support 40G Ethernet (40GBASE-CR4) and 10GBASE-CR4. They are fully compliant with the 40G QSFP+ MSA (Multi-Source Agreement) SFF-8431 and SFF-8436 specifications. 40G QSFP+ DAC breakout cables enable network professionals to achieve a high-end port density at lower cost and lower power consumption.

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+ DAC cable assemblies
- 4-channel full-duplex passive copper cable
- SFF-8436 compliant QSFP+ connectors
- 4x 10G NRZ electrical interface
- IEEE 802.3ba 40GBASE-CR4 compliant
- Compliant with QSFP+ MSA and IEEE 802.3
- Data rate up to 40Gbps (4x 10Gbps)
- Low power consumption: 0.02W (typ.)
- Excellent signal integrity and low insertion loss
- Operating case temperature range: 0ºC to +70ºC
- Single 3.3V supply voltage
- RoHS compliant

3 Years Warranty

Name	40G Breakout DAC Cable QSFP+ to 4xSFP+ passive twinax copper cable
Part Code	JT-QSFP-SFP-40G-DAC-**XX**
Connector - A	QSFP+
Connector - B	4 x SFP+
Cable Assembly Type	Passive Twinax Copper Cable
Protocols	InfiniBand, 4xQDR, 40GBASE-CR
Jacket Material	PVC / LSZH
Commercial Temperature Range	0 to 70ºC (32 to 158ºF)
Cable Type	30 AWG (1, 2, 3 Meter) 26 AWG (up to 10 meter)
Max Data Rate	40Gbps
Application	Data com Network 40 Gigabit Ethernet Data Centre 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

JTPTICS®
Next-Gen Network Solution..

ciena

ADVA
Optical Networking

colt

CISCO

Coriant

MAVENIR

DEFENCE R&D ORGANISATION
MINISTRY OF DEFENCE

इसरो isro

JUNIPER
NETWORKS

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भारत इलेक्ट्रॉनिक्स
BHARAT ELECTRONICS

HITACHI

एनटीपीसी
NTPC

TATA

LARSEN & TOUBRO

Our Contact

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Singapore

Malaysia

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