



# Data-Sheet

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## SFP+ 10G DAC

## Direct Attached Cable

# 10G SFP+ Passive Direct Attached Cable (DAC)

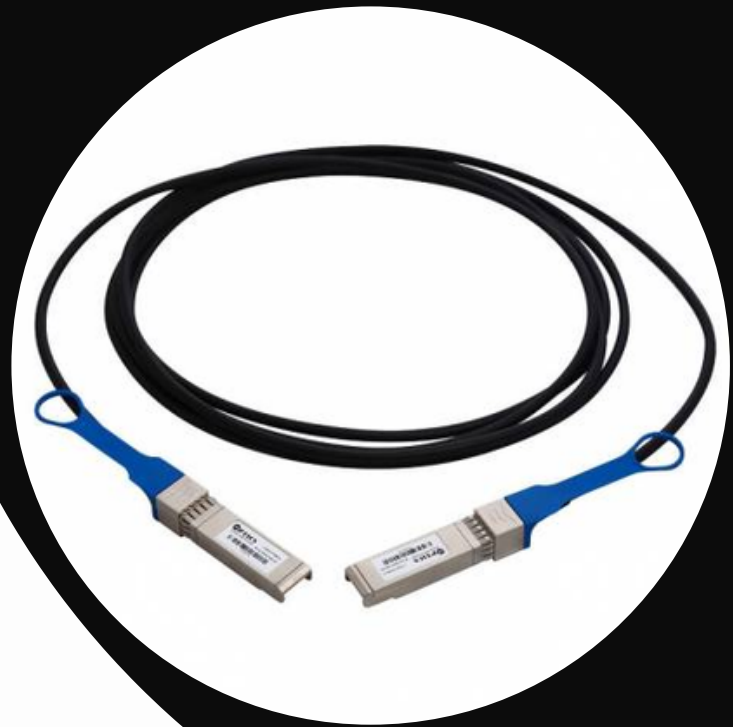
JTOPTICS SFP+ cable assemblies are high-performance, cost-effective I/O solutions for 10Gb Ethernet and 10G Fibre Channel applications. SFP+ passive copper modules allow hardware manufacturers to achieve high port density, configurability, and utilization at a very low cost and to reduce power budget. The high-speed cable assemblies meet and exceed the performance and reliability requirements stipulated by Gigabit Ethernet and Fibre Channel industry standards.

JTOPTICS 10G SFP+ Passive Direct Attach Copper Twinax Cable is designed for use in 10GBASE Ethernet. This cable is compliant with IEEE 802.3, SFF-8431, and SFP+ MSA.

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 SFP+ DAC cable assembly
- Data rate up to 10.3125Gbps
- Data rates backward compatible to 1Gb/s
- Hot-pluggable SFP+ 20PIN footprint
- 1x 10G NRZ electrical interface
- Compliant with SFP+ MSA, IEEE 802.3
- Compliant to SFF-8431 and SFF-8432
- Low power dissipation
- Operating case temp. range 0°C to +70°C
- RoHS-6 compliant (lead free)

**3 Years Warranty**



<b>Name</b>	10G DAC Cable 10GBASE-CR SFP+ passive twinax copper cable
<b>Part Code</b>	<u><a href="#">JT-SFP-10G-DAC-XX</a></u>
<b>Connector - A</b>	SFP+
<b>Connector - B</b>	SFP+
<b>Cable Assembly Type</b>	Passive Twinax Copper Cable
<b>Protocols</b>	InfiniBand QDR, 10GBASE-CR
<b>Jacket Material</b>	PVC/LSZH
<b>Commercial Temperature Range</b>	0 to 70°C (32 to 158°F)
<b>Cable Type</b>	30 AWG (1, 2, 3 Meter) 24 AWG (Length >3 meter)
<b>Max Data Rate</b>	10Gbps
<b>Application</b>	Data com Network 10 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<sup>®</sup>) 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<sup>®</sup> 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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**JAYANI TECHNOLOGIES LLP**