

# Data-Sheet

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## Electrical SFP+ 10G Base Optical Transceiver

JTOPTICS® 10Gb/s (JT-10G-SFPP-RJ) standards as specified in IEEE Std 802.3. 10GBASE-T SFP+ copper transceivers use the SFP's RX\_LOS pin for link indication. If pull up SFP's TX\_DISABLE pin, PHY GBASE-T SFP+ copper transceivers are based on the SFP Multi-Source Agreement (MSA). They are compatible with the 10GBASE-T / IC will be reset. The module provides standard serial ID information compliant with SFP MSA, which can be accessed with address of A0h via the 2wire serial CMOS EEPROM protocol. The physical IC can also be accessed via 2wire serial bus at address ACh.



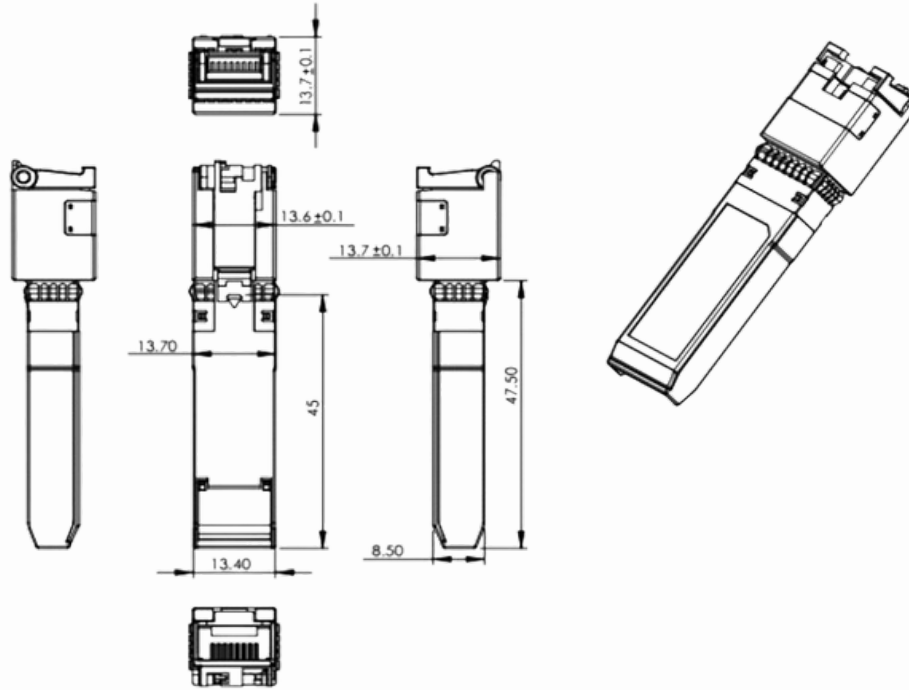
10GE SFP Electrical Transceiver  
10000BASE-T SFP+ Copper RJ-45 30m  
**JT-10G-SFPP-RJ**

- Hot-pluggable SFP footprint
- Support 10GBASE-T
- Compact RJ-45 connector assembly
- Commercial Temperature Range: 0 to 70°C
- Single +3.3V power supply
- 10 Gigabit Ethernet over Cat6a/Cat7 cable
- RoHS compliant and lead-free
- Access to Physical Layer IC via 2-Wire Serial Bus
- Compliant with IEEE Std 802.3-2002
- Compliant with MSA

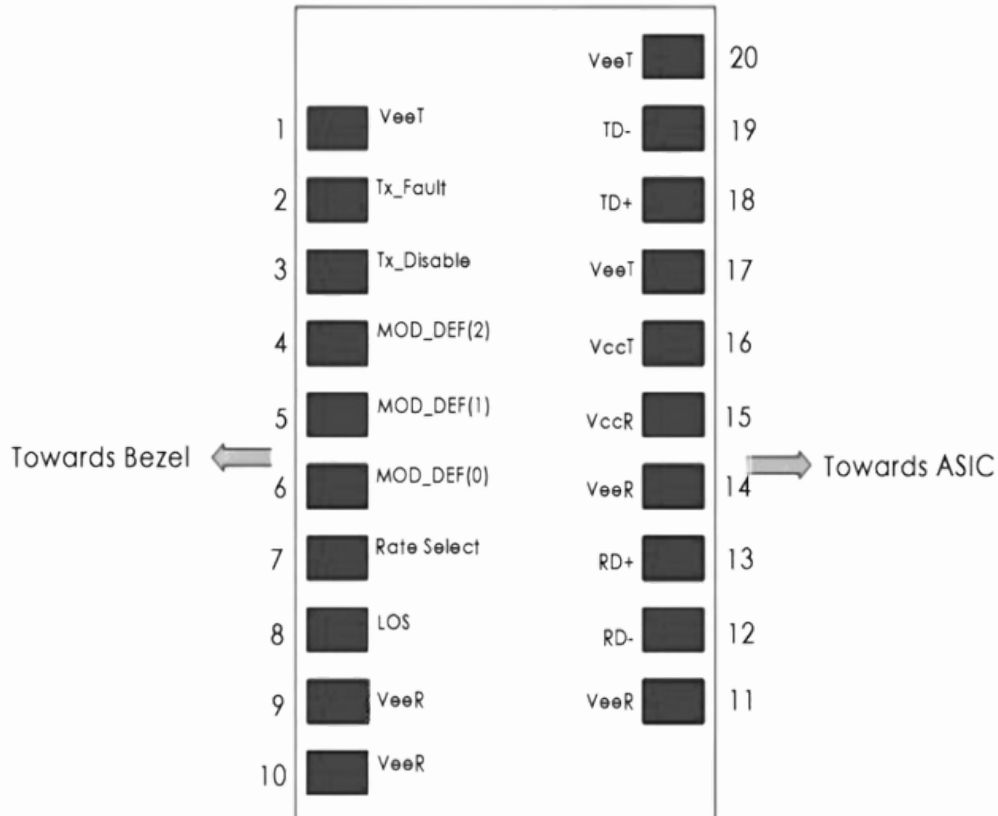
### Technical Specifications

Part No	JT-10G-SFP-RJ
Description	10GE SFPP Electrical Transceiver 10GBASE-T SFPP Copper RJ-45 30m Transceiver Module
Form Factor	SFPP
Max Data Rate	10Gbps
Connector	RJ-45
Power Consumption	≤1.2W
Protocols	IEEE 802.3an, IEEE 802.3az, SFP+ MSA, SFF-8431
DDM/DOM	NO
Media	Cat 5e/6/6a
Max Cable Distance	30m
Applications	10 Gigabit Ethernet over Cat 6A/7 cable 5 Gigabit Ethernet over Cat 6A/7 cable 2.5 Gigabit Ethernet over Cat 6A/7 cable 1.25 Gigabit Ethernet over
Warranty	3 years

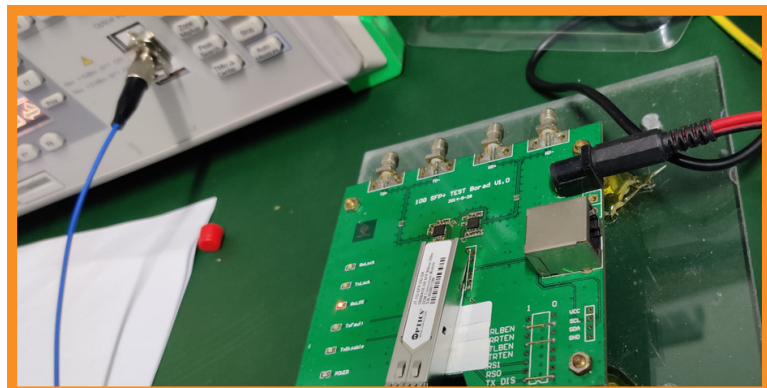
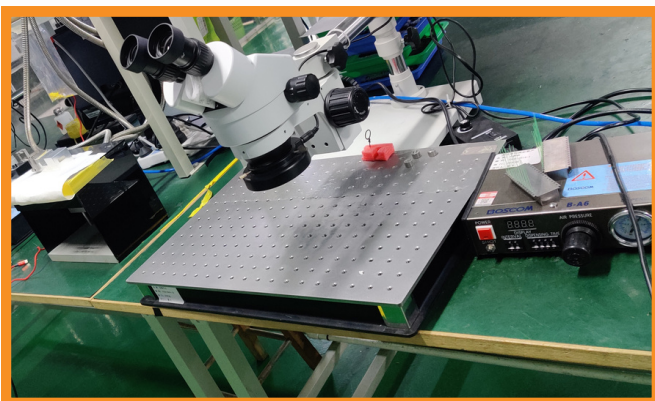
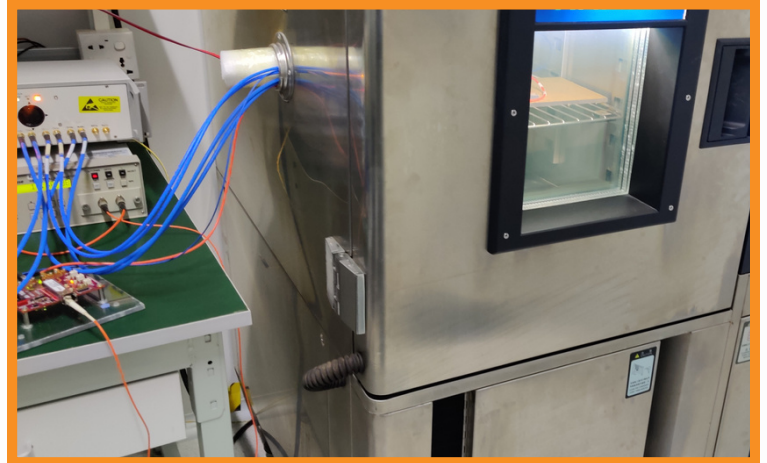
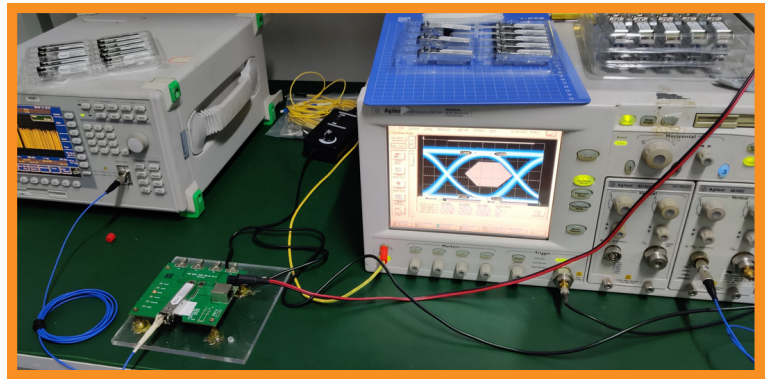
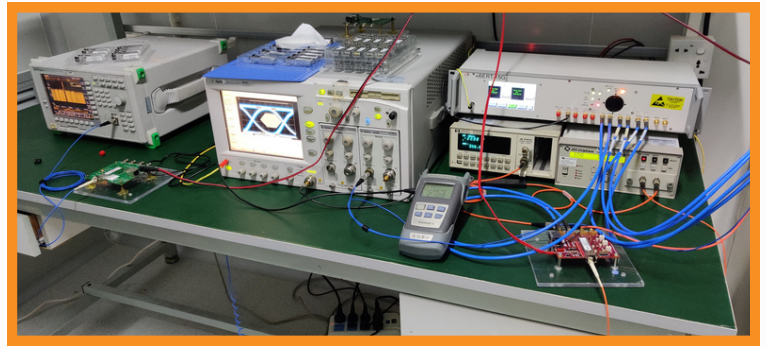
### Mechanical Dimension



### Electrical Pin Configuration



## Testing



## 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**





## Our Contact



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