Copper SFP

Copper SFP

Variants

1G Ethernet 100M 10G Ethernet 30M

Details

RJ45 COPPER TRANSCEIVER • SFP / SFP+

The provides Ethernet connectivity over standard RJ45 copper cabling through compatible SFP or SFP+ ports. The series includes a and a . It is suitable for switches, routers, servers, media converters, data centers, ISP networks and enterprise infrastructure.

Select Variant

Quick Overview

AVAILABLE SPEEDS

	1G / 10G
CONNECTOR	**RJ45**
1G DISTANCE	**100M**
10G DISTANCE	**30M**

Available Variants

Select the required speed and transmission distance to view the corresponding product.

GIGABIT COPPER SFP

1G Ethernet – 100M

10/100/1000BASE-T RJ45 Copper SFP for Gigabit Ethernet transmission up to 100 meters.

Speed: 10 / 100 / 1000 Mbps

Distance: Up to 100M

Connector: RJ45

Cable: Cat5e / Cat6 / Cat6a

View & Order 1G ?

10G COPPER SFP+

10G Ethernet – 30M

High-speed 10GBASE-T RJ45 SFP+ module designed for 10 Gigabit Ethernet transmission up to 30 meters.

Data Rate: Up to 11.3Gbps
Distance: Up to 30M
Connector: RJ45
Recommended Cable: Cat6a / Cat7

View & Order 10G ?

1G vs 10G Copper SFP

Parameter	1G Ethernet 100M	10G Ethernet 30M
Form Factor	SFP	SFP+
Ethernet Speed	10 / 100 / 1000 Mbps	10 Gigabit Ethernet
Maximum Data Rate	1Gbps	Up to 11.3Gbps
Maximum Distance	**100 Meters**	**30 Meters**
Connector	RJ45 Female	RJ45
Recommended Cable	Cat5e / Cat6 / Cat6a	Cat6a / Cat7
Power Consumption	~1.05W	2W

1G Copper SFP – Technical Specifications

DT-Copper 1G • 10/100/1000BASE-T • Up to 100M

Parameter	Specification
Model	DT-Copper 1G
Product Type	Copper SFP Transceiver
Form Factor	SFP Hot-Pluggable
Data Rate	10 / 100 / 1000 Mbps
Connector	RJ45 Female
Cable Type	Cat5e / Cat6 / Cat6a
Maximum Distance	**100 Meters**
Host Interface	SGMII
Digital Diagnostics	Not Supported
Operating Temperature	0°C to +70°C
Storage Temperature	-40°C to +85°C
Power Consumption	~1.05W
Weight	0.025 kg

10G Copper SFP+ – Technical Specifications

10GBASE-T • RJ45 • Up to 30M

Parameter	Specification
Product Type	10G Copper SFP+ RJ45 Transceiver
Form Factor	SFP+ Hot-Pluggable
Connector Type	RJ45
Maximum Data Rate	**11.3Gbps**
Transmission Distance	**Up to 30 Meters**
Media Type	UTP Copper Cable
Wavelength	N/A – Copper Transmission
Power Consumption	Less than 2W
Operating Temperature	Commercial & Industrial Grade Available
Compatibility	Compatible with 100+ Network Equipment Brands
Compliance	SFP+ MSA, IEEE 802.3by, RoHS, CPRI / eCPRI

Key Features

? 1G and 10G RJ45 Copper options

? Hot-pluggable SFP / SFP+ form factor

? 1G transmission up to 100 meters

? 10G transmission up to 30 meters

? Standard RJ45 copper connectivity

? Compact transceiver design

? Suitable for switch and router SFP ports

? Low-power copper networking solution

Applications

Ethernet LAN

1G and 10G copper connectivity

Switch-to-Switch

Copper uplink and interconnection

Servers & Routers

RJ45 network connections

Data Centers

Short-distance 10G connectivity

ISP Infrastructure

Network equipment interconnection

Media Conversion

Optical-port to copper Ethernet access

D-TECH Recommendation

For the **1G 100M variant**, use good-quality Cat5e, Cat6 or Cat6a cabling. For the **10G 30M variant**, Cat6a or Cat7 is recommended for more stable 10 Gigabit Ethernet performance. Always confirm that the switch or router supports copper SFP/SFP+ modules before installation.

Select Your Copper SFP

Choose 1G 100M for standard Gigabit Ethernet or 10G 30M for high-speed short-distance copper connectivity.

1G Ethernet 100M | **10G Ethernet 30M**

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