ProLabs
Unlock your connectivity

10G Copper Transceivers

SFP-10G-T-C
SFP+ 10GBASE Copper Transceiver

Future proofing infrastructure upgrades for high speed communication links

10G Copper Transceivers

The 10GBASE-T is specifically designed for high speed communication links that require 10 gigabit ethernet over Cat 6a/7 cable. This is the first SFP+ transceiver that offers 10Gb/s communication over this type of media.

Key Product Features

The copper transceiver module is a high performance integrated duplex device for bi-directional communication over copper cable.

- ✓ Supports Links up to 30m using Cat 6a/7 Cable
- ✓ SFF-8431 and SFF-8432 MSA Compliant
- ✓ Lower EMI Emissions
- ✓ RJ45 Connector

Key Product Benefits

- ✓ Cost effective at up to 30m distance on UTP cables
- ✓ Architecture Flexibility: Supports Top of Rack, Middle of Row or End of Row architectures
- ✓ Allows hybrid BASE-T/SFP+ architectures

- ✓ Equip SFP+ ports of servers/switches with 10GBASE-T SFP+
- ✓ Easy upgrade from 1G, reuse structured cabling
- ✓ Upgrade path to 25/40GBASE-T
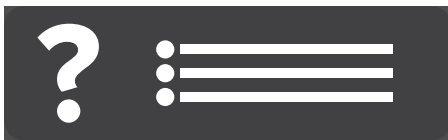
Reasons to buy...

Is it possible to pay as you grow for 10G copper deployments?
As bandwidth growth moves to the network edge, decision makers will want to take advantage of the cost savings, convenience, and flexibility provided by deploying 10 Gb/s technology over existing copper cabling infrastructure. The 10G Copper SFP+ module provides the ability to incrementally add 10G copper ports to existing network infrastructure, without capital investment to purchase new switches or upgrading cabling infrastructure.

Explain the features of Cost and Interoperability?
10GBASE-T has the advantage of being an interoperable, standards-based technology that uses the familiar RJ45 connector and provides backwards compatibility with legacy networks.

Which vendors will this product be compatible with?
At launch, the 10G Copper transceiver will be compatible with Cisco, Dell, Brocade, Arista, Juniper, Extreme and IBM.

Will it affect OEM warranties?
Absolutely not. All ProLabs products are designed to comply with industry standard MSA (Multi-Source Agreements) and come with lifetime warranties.

How do 10G Copper Transceivers Compare?

The chart below compares SFP+ Copper Transceivers with other 10G SFP+ Solutions

Product	SFP+ Direct Attach Cable	SFP+ Copper Transceiver	SFP+ Optical Transceiver
Cable Type	Copper Twin Coaxial	Twisted Pair	Optical Fiber
Cable Connector	Integrated	RJ45	LC
Reach	Up to 7m	Up to 30m	Up to 100m and over
Use of Existing Infrastructure	None	Copper Infrastructure (Cat 6a/7 Cable)	Fiber Infrastructure
Data rates supported	10Gbps	10Gbps 1Gbps	10Gbps
Single Unit Cost	$	$$$	$$
Solution Cost	$$	$$	$$$
Example Use Case	Switch to Switch connections.	Rack to Rack connections.	Building to Building connections

We are passionate and dedicated

Our experience comes as standard; for over 15 years ProLabs has delivered optical connectivity solutions that give our customers freedom and choice through our ability to provide seamless interoperability. At the heart of our company is the ability to provide state-of-the-art optical transport and connectivity solutions that are compatible with over 55 optical switching and transport platforms.

Complete Portfolio of Network Solutions

ProLabs is focused on innovations in optical transport and connectivity. The combination of our knowledge of optics and networking equipment enables ProLabs to be your single source for optical transport and connectivity solutions from 100Mb to 100G while providing innovative solutions that increase network efficiencies. We provide the optical connectivity expertise that is compatible with and enhances your switching and transport equipment.

Trusted Partner

Customer service is our number one value. ProLabs has invested in people, labs and manufacturing capacity to ensure that you get immediate answers to your questions and compatible product when needed. With Engineering and Manufacturing offices in the U.K. and U.S. augmented by field offices throughout the U.S., U.K. and Asia, ProLabs is able to be our customers best advocate 24 hours a day

Would you like to know more?

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