

# SFP-10Gbase-T

## 10GBase-T SFP+ transceiver for Ethernet switches

### DESCRIPTION

The SFP-10GBase-T electrical SFP+ transceiver (RJ45) is designed for high speed Gigabit Ethernet data links up to 10 Gb/s, with XGMII interface. It is a high-performance integrated duplex data link for bi-directional communication over CAT 6a/7 unshielded twisted pair copper cable. It is compliant with the Enhanced Small Form Factor Pluggable (SFP+) MSA specification. The transceiver is hot pluggable and operates at +3.3V.

The RJ45 connector supports shielded and unshielded cables. The connector is mechanically robust enough and designed to prevent loss of link, when the cable is positioned or moves in different angles. The connector passes the “wiggle” RJ45 connector operational stress test.

### APPLICATIONS

- 10GBase-T

### FEATURES

- XGMII interface
- Compatible with Enhanced Small Form Factor Pluggable (SFP+) MSA
- Up to 30 m on CAT 6a/7 UTP cables (80m for SFP-10Gbase-T-80)
- RJ45 connector type
- Compatible with FCC 47 CFR Part, Class B Electromagnetic Interference (EMI)
- Compatible with IEC 61000-4-2 and GR-1089-CORE Electrostatic Discharge (ESD)
- +3.3V single power supply
- Power dissipation max 3 W
- Case operating temperature range:-40°C to 85°C



### ORDERING INFORMATION

Part no.	Description
SFP-10Gbase-T	SFP+, 10Gbase-T Copper Interface, RJ45, 30m on Cat6/7
SFP-10Gbase-T-80	SFP+, 10Gbase-T Copper Interface, RJ45, 80m on Cat6/7

### SWITCH PORT INSTALLATION GUIDE

Due to the high power used by copper SFP’s compared to regular SFP’s, the switch chassis should in most cases not be fully populated. Please see the switch installation guide for further information.

As a general rule, the port installation should be as follows:



Active port deploying Copper SFP  
 Port shutdown (or passive DAC)