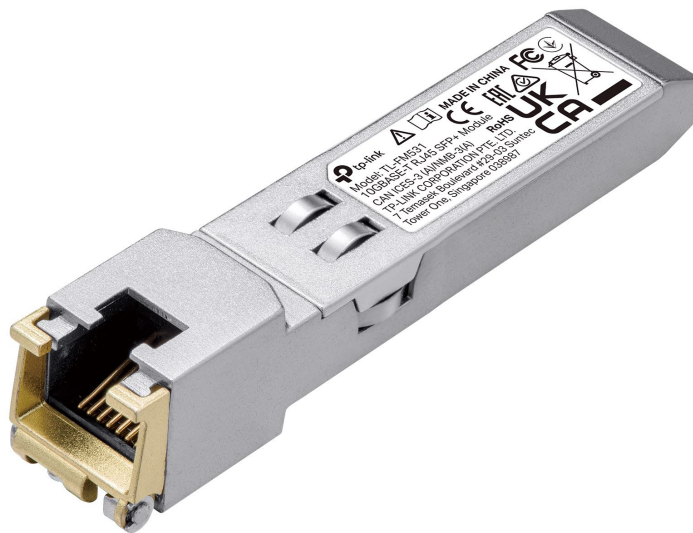


10G BASE-T RJ45 SFP+ Module Datasheet

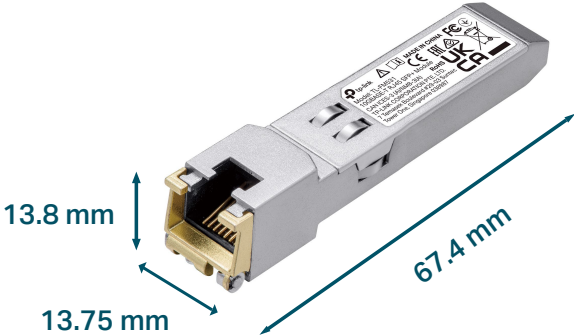
MODEL: TL-FM531



Highlights

- Support 10GBASE-T, 5GBASE-T, 2.5GBASE-T, and 1000BASE-T
- Transmit data up to 30m* at 10 Gbps (UTP cat.6a or above)
- Support DDM (Temperature and Voltage)
- Hot-Pluggable SFP+ Footprint Features
- Support TX Disable function
- Fully Metallic Enclosure for Low EMI

Product Picture



Specifications

General Specifications

Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3an, IEEE 802.3bz SFF-8431, SFF-8472
MAC Interface	10Gbps/5Gbps/2.5Gbps: XFI 1000Mbps: 1000BASE-X 100Mbps: SGMII
Data Rate (max.)	10.3125 Gbps
Power Consumption (max.)	2.5 W
Ethernet Cable (Twisted Pair)	100BASE-TX: UTP cat.5 or above (max. 100m) 1000BASE-T/2.5GBASE-T/5GBASE-T: UTP cat.5e or above (max. 100m) 10GBASE-T: UTP cat.6a or above (max. 30m)
TX_Disable	Yes
Hot Swappable	Yes
DDM	Yes (temperature and voltage)
Dimensions (W × D × H)	2.7*0.5*0.5 in (67.4*13.75*13.8 mm)

Environmental and Physical Specifications

Operating Temperature	0 °C to 70 °C (32 °F to 158 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Operating Humidity	10% to 90% RH non-condensing
Storage Humidity	5% to 90% RH non-condensing