



TP-Link | TL-SM5310-T | 10G BASE-T RJ45 - SFP+ Module

Product Images



Description

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The TL-SM5310-T is a high-performance 10G BASE-T RJ45 SFP+ module designed for seamless integration in host systems. This module supports 10G BASE-T operation, making it ideal for high-speed data transmission. With its hot-pluggable SFP+ footprint features, the TL-SM5310-T ensures ease of installation and maintenance.

The module supports a variety of data rates and distances, including 100BASE-TX with UTP CAT5 or above (max. 100m), 10GBASE-T with UTP CAT6A or above (max. 30m), and 1000BASE-T/2.5GBASE-T/5GBASE-T with UTP CAT5E or above (max. 100m). It also includes features like TX Disable function and DDM (Digital Diagnostics Monitoring) for temperature and voltage.

Designed to operate within a commercial temperature range of 0-70°C, the TL-SM5310-T complies with IEEE standards 802.3, 802.3ab, 802.3bz, and 802.3an, as well as RoHS regulations. Its fully metallic enclosure ensures low EMI, contributing to reliable performance in various environments. Additionally, the module is engineered for low power dissipation, making it an efficient choice for network deployments.

FEATURES

- **Support 10G BASE-T Operation:** Enables high-speed data transmission
- **Support TX Disable function:** Allows easy management of the module's operation
- **Support DDM (Temperature and Voltage):** Provides real-time monitoring of the module's performance
- **Hot-Pluggable SFP+ Footprint Features:** Ensures ease of installation and maintenance
- **Commercial Product Operating Temperature Range:** 0-70°C
- **Fully Metallic Enclosure:** Reduces EMI for stable performance
- **Low Power Dissipation:** Enhances energy efficiency

SPECIFICATIONS

- **Data Rate:** 10.3125Gbps
- **Distance:** Up to 100m for 100BASE-TX and up to 30m for 10GBASE-T
- **Operating Temperature:** 0-70°C
- **Storage Temperature:** -40-85°C
- **Supply Current:** 750mA
- **Input Voltage Range:** 3.2-3.4V
- **Enclosure:** Metal
- **Compliances:** IEEE Std 802.3, 802.3ab, 802.3bz, 802.3an and RoHS

CONTENTS

- TL-SM5310-T Module
- User Manual

WARRANTY

[3-Year Manufacturer's Warranty](#)

