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TP-Link | TL-SM321B | 1000Base-BX WDM Bi-Directional SFP Module | LC connector

Product Images

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Enhance your network efficiency and extend its reach with the TP-Link TL-SM321B 1000Base-BX WDM Bi-Directional SFP Module. Designed for optimal performance, this module allows for high-speed data transmission over single-mode fiber, with a reach of up to 20km. It is perfect for connecting switches, routers, and servers, ensuring a stable and fast gigabit fiber connection. The TL-SM321B features a bi-directional LC optical interface, supporting both transmission and reception on a single fiber strand, which significantly reduces the cost and complexity of network deployments.

The TL-SM321B adopts the latest 1000Base-BX standard, making it highly compatible with existing network devices and infrastructure. It supports Digital Diagnostic Monitoring (DDM), allowing real-time monitoring of key transceiver parameters such as optical power, temperature, and supply voltage. This ensures the network operates efficiently and helps in proactive maintenance. With its hot-swappable design, the TL-SM321B can be installed and replaced without interrupting the network, providing flexibility and ease of maintenance.

Ideal for both small and medium-sized business environments, the TL-SM321B ensures reliable and high-performance connectivity. By supporting long-distance, high-speed transmission, and advanced diagnostic features, this module meets the demands of modern network infrastructures, providing a robust solution for network expansion and optimization.

FEATURES

- Adopts the latest 1000Base-BX standard
- Supports up to 20km transmission distance on single-mode fiber
- Compatible with Small Form Pluggable Multi-Source Agreement (SFP-MSA)
- Supports Digital Diagnostic Monitoring (DDM)
- Hot-swappable for easy installation and maintenance
- Integrated LC Bi-Directional optical interface connector
- Ensures reliable gigabit fiber connection
- Ideal for use with switches, routers, and servers
- Provides real-time monitoring of transceiver parameters
- Enhances network performance and reliability

SPECIFICATIONS

- **Port Type:** LC Simplex
- **Fiber Type:** Single-mode Fiber (9/125µm)
- **Data Rate:** 1.25Gbps
- **Wave Length:**
  - Tx: 1310nm
  - RX: 1550nm
- **Max. Cable Length:** 20km
- **Standards and Protocols:** IEEE 802.3z, TCP/IP
- **Power Support:** 3.3V
- **Operating Temperature:** 0˚C to 70˚C
- **Storage Temperature:** -40˚C to 85˚C
- **Safety & Emission:** FCC, CE

CONTENTS

- SFP Module TL-SM321B
- Installation Guide

WARRANTY

3-Year Manufacturer's Warranty