



# TP-Link | TL-FC311B-20 | Gigabit WDM Media Converter

## Product Images



## Description

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# TP-Link | TL-FC311B-20 | Gigabit WDM Media Converter

The TP-Link TL-FC311B-20 Gigabit WDM Media Converter is the ultimate solution for extending your network's reach with seamless efficiency. Leveraging advanced WDM technology, this media converter transmits and receives data over a single fiber, reducing cabling costs while enhancing network performance. Ideal for long-distance connections up to 20km, it is perfect for remote surveillance, inter-building networking, and factory automation.

With its auto-negotiation feature, the TL-FC311B-20 ensures optimal data transfer rates by automatically adjusting between half and full duplex modes. The gigabit RJ-45 port and SC fiber port make it versatile and easy to integrate into your existing infrastructure. This robust converter is designed to withstand harsh environmental conditions, ensuring reliable performance in diverse settings.

Enhance your network's capability with the TL-FC311B-20, a media converter that combines reliability, efficiency, and high performance. Whether you need to connect remote equipment or extend your network over large distances, this converter is engineered to meet your needs with precision and reliability.

Enhance your network's performance with the TP-Link TL-FC311B-20 Gigabit WDM Media Converter, designed to provide robust, long-distance connectivity for diverse applications.

## FEATURES

- 1× 10/100/1000Mbps Auto-Negotiation RJ45 port: Supports Auto-MDI/MDIX for easy network integration
- WDM Technology: Transmits and receives data on a single fiber for cost-effective, efficient data transfer
- Auto-negotiation: Optimizes between Half-Duplex and Full-Duplex modes for maximum performance
- Extended Distance: Supports fiber distances up to 20 km, ideal for long-range point-to-point connections

## SPECIFICATIONS

- **Standards:** IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3z
- **LED Indicators:** PWR, Link/Act
- **Connector:**
  - SC fiber optic
  - 1 RJ45 jack
- **Twisted-Pair:** 100BASE-Tx: 2-pair UTP/STP of Cat. 5 or above (≤100m), 1000BASE-Tx: 4-pair UTP/STP of Cat. 5e or above (≤100m)
- **Fiber Type:** 9/125 μm single-mode fiber
- **Transmission Distance:** Up to 20 km
- **Wave Length:** 1550 nm Tx, 1310 nm Rx / 1310 nm Tx, 1550 nm Rx
- **Power Supply:** External Power Adapter: 5V/0.6A
- **Dimensions:** 94.5x73x27mm
- **Operating Temperature:** 0 °C to 50 °C

## WARRANTY

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

