



TP-Link | TL-FC311B-2 | Gigabit WDM Media Converter

Product Images



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The TP-Link TL-FC311B-2 Gigabit WDM Media Converter is the perfect solution for expanding your network over long distances with ease and efficiency. This high-performance media converter transforms electrical signals into optical signals, allowing you to seamlessly extend your gigabit network up to 2 kilometres. Ideal for factory automation, remote surveillance systems, and inter-building networks, this device ensures reliable and robust connectivity.

With advanced Wavelength Division Multiplexing (WDM) technology, the TL-FC311B-2 uses a single fibre to transmit and receive data simultaneously, offering strong anti-interference capabilities. The auto-negotiation feature for Half-Duplex/Full-Duplex modes ensures optimal performance and compatibility with a variety of network devices, making it an essential component for modern network infrastructures.

The gigabit RJ-45 and SC fibre ports provide versatile connectivity options, while the auto-MDI/MDIX feature eliminates the need for crossover cables. Compact and durable, the TL-FC311B-2 is designed to withstand harsh environmental conditions, ensuring consistent and long-lasting performance.

FEATURES

- 1× 10/100/1000Mbps Auto-Negotiation RJ45 port supports Auto-MDI/MDIX
- Auto-negotiation of Half-Duplex/Full-Duplex transfer mode
- Adopts WDM technology, transmitting and receiving data on one single fibre
- Extends fibre distance up to 2km

SPECIFICATIONS

- **Standards:** IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3z
- **LED Indicator:** PWR, Link/Act
- **Connector Types:** 1 SC fibre optic; 1 RJ45 jack
- **Twisted-Pair:**
 - 100BASE-Tx: 2-pair UTP/STP of CAT5 or above (≤100m)
 - 1000BASE-Tx: 4-pair UTP/STP of CAT5E or above (≤100m)
- **Fibre Type:** 9/125 µm single-mode fibre
- **Transmission Distance:** Up to 2km
- **Wavelengths:** 1310nm Rx, 1550nm Rx
- **Power Supply:** External Power Adapter: 5 V/0.6 A
- **Dimensions:** 94.5 x 73 x 27mm
- **Storage Temperature:** -40 °C to 70 °C
- **Operating Temperature:** 0°C to 50 °C
- **Operating Humidity:** 10% to 90% RH non-condensing
- **Storage Humidity:** 5% to 90% RH non-condensing

WARRANTY

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

