



TP-Link | TL-FC311A-2 | Gigabit WDM Media Converter

Product Images



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Enhance your network connectivity with the TP-Link TL-FC311A-2 Gigabit WDM Media Converter. Designed to seamlessly convert between electrical and optical signals, this device extends your network reach up to 2 kilometers using a single-mode fiber. Utilising advanced WDM (Wavelength Division Multiplexing) technology, it transmits and receives data over one single fiber, providing high efficiency and strong anti-interference capabilities. Ideal for remote surveillance systems, factory automation equipment, and inter-building networking, the TL-FC311A-2 is a reliable solution for expanding your gigabit network.

This media converter supports Auto-MDI/MDIX and Auto-Negotiation for half/full-duplex transfer modes, ensuring smooth and flexible network management. Its compact design and robust construction make it perfect for both small-scale and large-scale deployments. Whether you need to connect to a network in another building or establish a long-range point-to-point connection, the TL-FC311A-2 offers the performance and reliability you need.

With features like a 10/100/1000Mbps Auto-Negotiation RJ45 port, SC fiber optic connector, and compatibility with IEEE standards, this media converter guarantees high-speed data transmission with minimal latency. Upgrade your network with the TL-FC311A-2 and experience seamless connectivity and superior 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 fiber
- Extends fiber distance up to 2km

SPECIFICATIONS

- **Standards:** IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3z
- **Connector Types:** 1 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 2km
- **Wavelengths:** 1550nm Tx, 1310nm Rx
- **Power Supply:** External Power Adapter: 5 V/0.6 A
- **Dimensions:** 94.5 x 73 x 27mm
- **Operating Temperature:** 0°C to 50°C
- **Operating Humidity:** 10% to 90% RH non-condensing

WARRANTY

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

