

AT-3011 Series Media Converters



External Power Supply Configuration



Internal Power Supply Configuration

Overview

The ARIA AT-3011 Series Media Converters connect copper and fiber optic networks together. Media Converters are commonly used when the distance limit for copper cable (100m) is exceeded and fiber optic cable is needed because it is capable of transmission over longer distances.

The AT-3011 comes equipped with a dual fiber SC adapter and RJ45 port.

The ARIA AT-3011 Series Media Converter interconverts electrical signals of 10Base-T/100Base-TX/1000Base-T twisted pairs with optical signals of 1000Base-SX/LX.

The AT-3011 series media converter supports transmission in a multimode dual fiber network configuration.

Features

- Supports interconversion between 10/100/1000Base-T and 1000Base-SX/LX.
- Auto-sensing of full-duplex and half-duplex communications systems.
- Auto-sensing of MDI/MDI-X facilitates system commissioning and installation.
- Supporting the transmission of extra-long VLAN packets.
- Store-and-Forward mechanism.
- Supports Quality of Service (QoS) technology and ensures the transmission of VoIP packets.
- Reliable and stable performance.

AT-3011 Series Media Converters Specifications

Parameter	Value
Access mode	10/100/1000Mbps Gigabit Ethernet
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX Fast Ethernet, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-SX/LX Gigabit Ethernet
Wavelength	850nm
Transmission distance	Dual-fiber Multimode 62.5/125µm: 220 m; Dual-fiber Multimode 50/125µm: 550 m; Category-5 twisted pairs: 100m
Port	One RJ45 port: Connecting STP/UTP category-5 twisted pairs , EIA568A/B One optical port: Multimode Dual-fiber: SC (50/125µm or 62.5/125µm)
Conversion means	Media conversion
BER	<10 ⁻⁹
MTBF	100,000 hours
LED indicator	POWER (power supply), FX LINK (optical link action), TP LINK1000 (TP cable rate1000M), TP LINK100 (TP cable rate 100M) TP ACT (TP cable packet forwarding action), FDX (TP full duplex operation)
Power supply	AC90~264V input, 5V2A output
Power Consumption	5W
Operating temperature	-10~55°C
Operating humidity	5%~90%
Maintaining temperature	-40~70°C
Maintaining humidity	5% ~ 90% non-condensing
Dimensions	26 mm (H)x71mm (W)x94mm (D) (external power supply) 30 mm (H)x110mm (W)x140mm (D) (internal power supply)

Ordering Information

Part Number	Power Supply	Fiber Type	Link Length	Adapter
AT-3011	External	Multimode	550 meters	SC
AT-3011I	Internal	Multimode	550 meters	SC