

### AT-2100 Series Media Converters



External Power Supply Configuration



Internal Power Supply Configuration

### Overview

The ARIA AT-2100 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-2100 comes equipped with a dual fiber SC adapter and RJ45 port.

The ARIA AT-2100 Series Media Converter interconverts electrical signals of 1000Base-T twisted pairs with optical signals of 1000Base-SX/LX.

The AT-2100 series media converter supports transmission in a singlemode or multimode dual fiber network configuration.

### Features

- Supports interconversion between 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.
- Supports Quality of Service (QoS) technology and ensures the transmission of VoIP packets.
- Reliable and stable performance.

### AT-2100 Series Media Converters Specifications

Parameter	Value
<b>Access mode</b>	1000Mbps Gigabit Ethernet
<b>Standard</b>	IEEE802.3ab 1000Base-T , IEEE802.3z 1000Base-SX/LX Gigabit Ethernet
<b>Wavelength</b>	850nm/1310nm
<b>Transmission distance</b>	Dual-fiber Multimode 62.5/125µm: 500 m; Dual-fiber Multimode 50/125µm: 550 m; Dual-fiber Singlemode: 20/40 km; Category-5 twisted pairs: 100m
<b>Port</b>	One RJ45 port: Connecting STP/UTP category-5 twisted pairs One optical port: Multimode Dual-fiber: SC (50/125µm or 62.5/125µm) Singlemode Dual-fiber: SC (9/125µm)
<b>Conversion means</b>	Media conversion
<b>BER</b>	<10 <sup>-9</sup>
<b>MTBF</b>	100,000 hours
<b>LED indicator</b>	POWER (power supply), FX LINK (optical link action), TP LINK1000 (TP cable link1000M), TP LINK100 (TP cable link 100M), TP ACT (TP cable packet forwarding action)
<b>Power supply</b>	AC90~264V input, 5V2A output
<b>Power Consumption</b>	5W
<b>Operating temperature</b>	-10~55°C
<b>Operating humidity</b>	5%~90%
<b>Maintaining temperature</b>	-40~70°C
<b>Maintaining humidity</b>	5% ~ 90% non-condensing
<b>Dimensions</b>	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
<b>AT-2100S-20</b>	External	Singlemode	20 kilometers	SC
<b>AT-2100S-40</b>	External	Singlemode	40 kilometers	SC
<b>AT-2100</b>	External	Multimode	500 meters	SC
<b>AT-2100SI-20</b>	Internal	Singlemode	20 kilometers	SC
<b>AT-2100SI-40</b>	Internal	Singlemode	40 kilometers	SC
<b>AT-2100I</b>	Internal	Multimode	500 meters	SC