MEDIA CONVERTER

Fast Ethernet
WDM media converter

ST-2501-FA

Over View

The ST-2501-FA converter complies with IEEE standards. It is designed to convert data signal between 10/100 Base-TX and 100 Base Fx Fast Ethernet. The media converter is connected between Fiber cable and twisted cable segments with network operating smoothly.

This converter can be used as a standard alone unit or a slide-in module to fit the 19 converter rack.

Adopting WDM technology, 2501-FA-UM130-20 & 2501 FA-UM150-20 takes only one fiber cable to transmit and receive data, which will save half cabling cost for you.

BiDi WDM - Wave Division Multiplexing Technology allows you use just a 1 fiber cable instead of 2, because transmit and receive channels are separated by different wavelenghts.

Converters universal - they can work as standalone modules in point to point applications with external power supply modules - or same converter can be used as a plug in module in 2501-FA-CH05 14 slot chassis. Such universal design, made by AD-net saves a lot of money and time to your network planning - you no need thing, how much units you need as standalone and how much units you need as plug in modules in chassis - just order same module and decide later
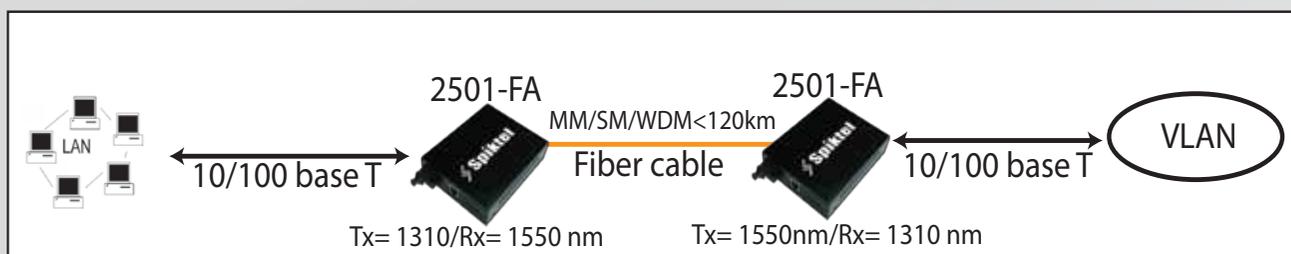
Features

* Complies with IEEE802.3 and IEEE802.3u 10/100Base-TX and 100Base-FX
* MTU size supported 1600 bytes maximum
* Supports pure converter mode data forwarding for extreme low latency
* Built in 128Kb RAM for data buffer
* Supports modified cut-through frame forwarding for low latency
* Optional forward fragments
* 10/100Mbps and full/half duplex automatically configure in TP port
* Supports end fault function (optional)
* MDI/MDI-X Auto Negotiation
* Support EEPROM configuration
* LED Indicators: POWER, FX LINK/ACT, 100, TP LINK/ACT, FDX/COL.
* FCC Class A & CE approved
* LLR, LFP - Link Loss Return (LLR), Link Failure Pass (LFP) features supported (please mention this when place order or require price, by default this feature is not included)
* RoHs compliant
* Only 1 fiber used instead of 2 - WDM BiDi technology
* Stainless steel parts (value added feature)
* Standalone, Wallmount or Hotpluggable in 19' chassis - universal design

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IEEE CE RoHS ACS

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Specification

Wavelength	TX1310nm/RX1550nm; TX1550nm/RX1310nm, for high distance TX1490nm/RX1550nm; TX1550nm/RX1490nm
Technical:	BER: <1E-8 Data Buffer: 128Kb Power temperature variation: 0. 2mw/℃ Input Power Range (dBm): 0~-40 Imax: 800mA Power: 2.5 W High perfomance ICPLUS IP113C or RTL8306G chipsets based
Fiber cable(m):	8.3/125, 8.7/125, 9/125 or 10/125single-mode, only 1 strand is needed
Maximum distance:	120 km (available ordering options 20/40/60/80/100/120 km)
Input power:	IA@+5VDC or 110~260VAC or 48VDC
Dimensions:	95×70×26mm (external power), 95×70×26mm (external power)
Environment:	Relative humidity;5% to 90% Operating temperature: 0 to 70 degrees Storage temperature : -20 to 70

Applications :

2501-FA   2501-FA
MM/SM/WDM<120km
LAN — 10/100 base T — Fiber cable — 10/100 base T — VLAN
Tx= 1310/Rx= 1550 nm   Tx= 1550nm/Rx= 1310 nm

Ordering Informations ST-2501-FA

1	10/100 Base-TX/FX Bridge Converter 20Km SC Connector (TX=1310 nm)
2	10/100 Base-TX/FX Bridge Converter 20Km SC Connector (TX=1550 nm)
3	10/100 Base-TX/FX Bridge Converter 40Km SC Connector (TX=1310 nm)
4	10/100 Base-TX/FX Bridge Converter 40Km SC Connector (TX=1550 nm)
5	10/100 Base-TX/FX Bridge Converter 60Km SC Connector (TX=1310 nm)
6	10/100 Base-TX/FX Bridge Converter 60Km SC Connector (TX=1550 nm)
7	10/100 Base-TX/FX Bridge Converter 80Km SC Connector (TX=1310 nm)
8	10/100 Base-TX/FX Bridge Converter 80Km SC Connector (TX=1550 nm)
9	10/100 Base-TX/FX Bridge Converter 100Km SC Connector (TX=1490 nm)
10	10/100 Base-TX/FX Bridge Converter 120Km SC Connector (TX=1550 nm)

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