



Gigabit Ethernet WDM media converter ST-2505-FA

Over View

The 2505-FA series comply with IEEE 802.3z/ab Gigabit Ethernet standard single fiber converter is designed with an optic wavelength Division Multiplexing (WDM) technology that transports bi-directional full duplex signal over a single fiber simultaneously. It supports two types of media for network convention such as 1000 Base -T to 1000 Base-SX/LX and connects these of segments to operate smoothly.

Spiktel 2505-FA series provides a unique capability of both transmitting and receiving Gigabit Ethernet data on a single fiber over the distances up to 40 km. This feature is critical for many Fiber-to-the-X (FTTX) environments, where a single fiber is laid to each customer. Spiktel single-fiber solutions cover a range of protocols and distances, and include single-fiber WDM for specific applications and protocols, what require stable and reliable optical to ethernet conversion. For Fiber Optical Ethernet applications.

Spiktel provides SFP modules that directly connect to a bi-directional fiber interface. Spiktel also provides a wide variety of specialty patch cables to combine wavelengths and multiplex transmit and receive signals

2505-FA also can be ordered as plug in modules in CH05 chassis, and they also are universal- you can use same units as standalone unit, and also same unit can be used as plug in module in chassis.

2505-FA is successfully used in optical-to-electrical-to-optical translation at the very edge of the transport network, thus permitting interoperability with existing equipment with optical interfaces.

2505-FA single fiber media converter systems operate on single mode fiber optical cables, which have a core diameter of 9 μm . Certain models of WDM can also be used in multi-mode fiber cables (also known as premises cables) which have core diameters of 50 or 62.5 μm .

Features

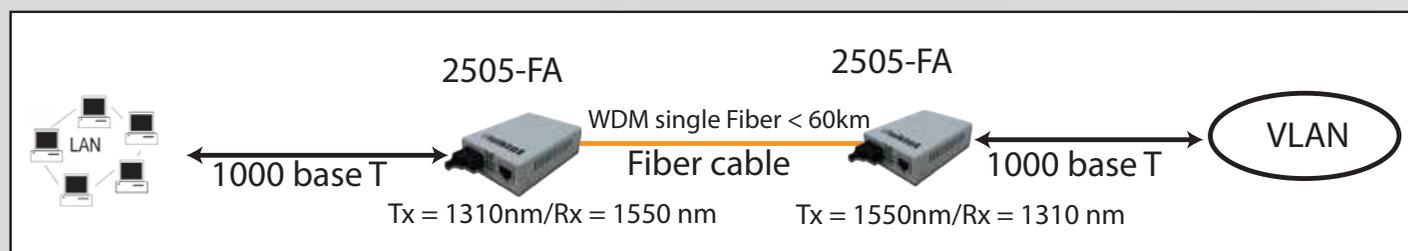
- * Complies with 1000Mbps NWay switches and 1000 Mbps NICs cost-effective for budget user
- * WDM - Wave Division Multiplexing Technology to cut your network design costs - you need only 1 fiber instead of 2
- * Extends network span from 10km up to 40km over single fiber
- * MDI/MDI-X auto negotiation
- * WDM technology combines dual fiber cables into single fiber greatly save the installation cost of expensive fiber cable
- * FCC Class A & CE approved
- * RoHS Compliant

MEDIA CONVERTER

Specification

Standarts:	IEEE802.3z/ab 1000Base-T 1000Base-SX/LX
LED Indicators:	FX LINK, FX FDX, TP LINK, TP FDX, ACT, POWER
Data rate:	2000Mbps full duplex
TP:	1000 FDX with NWAY auto-negotiation
Power supply:	100 to 240VAC 50 to 60Hz
Input power:	2A@+5v
Dimensions:	70.5mm(L)X94mm(W)X26.5mm(H)
Wavelength:	1310/1550 nm TX/RX, more exotic wavelenghts, like 1610/1490 etc are available up special request
Environment:	Relative humidity:5% to 90% Operating temperature: 0 to 70 degrees Storage temperature : -20 to 70

Applications :



Ordering Informations: ST-2505-FA

1	Gigabit Ethernet 1000Mbps WDM Media Converter 10km SC (Tx = 1310nm)
2	Gigabit Ethernet 1000Mbps WDM Media Converter 10km SC (Tx = 1550nm)
3	Gigabit Ethernet 1000Mbps WDM Media Converter 20km SC (Tx = 1310nm)
4	Gigabit Ethernet 1000Mbps WDM Media Converter 20km SC (Tx = 1550nm)
5	Gigabit Ethernet 1000Mbps WDM Media Converter 40km SC (Tx = 1310nm)
6	Gigabit Ethernet 1000Mbps WDM Media Converter 40km SC (Tx = 1550nm)
7	Gigabit Ethernet 1000Mbps WDM Media Converter 40km SC (Tx = 1310nm)
8	Gigabit Ethernet 1000Mbps WDM Media Converter 40km SC (Tx = 1550nm)
9	Gigabit Ethernet 1000Mbps WDM Media Converter 60km SC (Tx = 1310nm)
10	Gigabit Ethernet 1000Mbps WDM Media Converter 60km SC (Tx = 1550nm)