



## 2 Fiber ports media converter ST-2506-FA

### Over View

The 2506-FA is an Optical fiber switch / Multiport FX media converter that offers 2 port 10/100Base-FX optical and 2 port 10/100Base-Tx Copper. It supports both Single optical fiber and dual optical fiber, its transmission distance ranges from 2km to 120km. This optical fiber switch works under both Half and full-duplex mode. It supports the STAR network topology and it is an ideal option for fiber to home (FTTH) optical fiber solution, city optical fiber networks, etc.

Dual port fiber media converters can be used, in networks, where dual fiber ports and 2 TX port can be used - in redundant applications, for military objects etc.

Another application, how you can use the converter is to make a chain network of several offices that should be connected to on central network, and the middle office should have a twisted pair connection as well. 2506-FA the application, what is similar to SDH add drop ring methodology, just ring is not closed.

Fiber ports can be chosen at your choice - dual fiber optical modules at 20 - 120 km, multimode 2 km, or WDM 20 - 40 km single fiber BiDi

### Features

1. High stability and excellent reliability
2. Auto negotiation for 10/100m TP port speed
3. 2 Port 10/100Base-Fx optical fiber
4. Half duplex and full duplex identify automatically.
5. Store-and-forward switching provides unobstructed flow.
6. LEDS for monitoring the status of power, Link/ACT, 10/100M, half/full duplex.
7. Plug-and-play installation.
8. Supports broadcast storm filtering control.

# MEDIA CONVERTER

## Specification

<b>Protocol</b>	CSMA/CD
<b>Topology</b>	STAR
<b>Number of Ports</b>	2 Port 100Base-Fx optical fiber + 2 port 10/100Base-Tx copper
<b>Uplink Ports</b>	None
<b>Transmission Rate</b>	10Mbps: 14880pps, 100Mbps:148800pps
<b>Switching mode</b>	Store and Forward
<b>Flow control mode</b>	IEEE 802.3x full-duplex flow control and back pressure flow control
<b>LED Indicator</b>	LED status of Link, activity, Full/half duplex, speed, and power on diagnostic function
<b>Cable Support</b>	10Base-T: 3, 4 or Cat 5 shielded / unshielded twisted pair, 100 meters max., 100Base-TX: Cat 5 shielded / unshielded twisted pair, 100 meters max. 100Base-Fx: 8.3µm, 8.7µm, 9µm and 10µm on single mode fiber and 50, 62.5 and 100µm on multi-mode fiber
<b>Fiber Cables/Connectors</b>	Single Mode/Multi Mode fiber cable SC,ST connector optional
<b>Power supply</b>	AC:220V or DC:-48V
<b>Temperature Humidity</b>	Operating temperature: 0 to 70 degrees Storage temperature : -20 to 70 Operating Humidity: 10% to 90% Storage Humidity : 5% to 95% RH



\* Products design in UK.  
[www.spiktel.co.uk](http://www.spiktel.co.uk)

\* Specs and Pictures of the product can be revised according to R&D  
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