



Intelligent 10/100Base-TX to 100Base-FX Fiber Converter

TFC-110S15i/30i/60i

TFC-110Sxxx series Fiber Converter transforms 10/100Base-TX UTP/STP media to 100Base-FX media and vice versa. The 10/100Base-TX port auto-sense 10 or 100Mbps connection speeds, auto-negotiates half-/full-duplex mode, and auto-MDIX media type. This converter gives your switch the ability to interface with fiber connection over a distance up to 60 Km.

FEATURES

- Compliant with IEEE 802.3 10Base-T and IEEE 802.3u 100Base-TX, 100Base-FX Standards
- Provides Dip switch to set: Fiber (FDX/HDX), UTP (Auto Negotiation/Manual), Speed (10M/100M), LLR (Enable/Disable), LLCF (Enable/Disable)
- Support LLCF (Link Loss Carry Forward, Link Pass Through)
- Support LLR (link Loss Return) for FX port
- Monitor the status of duplex/link for FC, duplex / speed / link for TX via management module (TFC-1600MM) through Media Converter Chassis System (TFC-1600)
- Hot Pluggable & Wall-Mountable
- Optional 19" System Chassis (TFC-1600) holds up to 16 Media Converters
- 3-year limited warranty

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SPECIFICATIONS

Hardware	
Standard	• IEEE 802.3 10Base-T • IEEE 802.3u 100Base-TX, 100Base-FX
Network Media	• 10Base-T: UTP Cat. 3, 4, 5, EIA/TIA-568 100-ohm STP • 100Base-TX: UTP Cat. 5, EIA/TIA-568 100-ohm STP • 100Base-FX: 9/125 m or 10/125 m Single-Fiber Optic Cable, up to 60km
Protocol	• CSMA/CD
Ports	• 1 x 10/100Base-TX RJ-45 Port • 1 x 100Base-FX Single-Mode Fiber Port SC Connector
Dip Switch	• Duplex mode for TX/FX, Auto Negotiation or Manual for TX, Speed (10M/100M) for TX, LLR (enable/disable) for FX, LLCF (enable/disable)
Transfer Rate	• 100Base-TX : 200Mbps (Full Duplex)
Diagnostic LED	• Per unit: Power • Per port (TX): Link/Activity, FDX/HDX, Link Fail, Speed • Per port (FX): Link/Activity, FDX/HDX, Link Fail
Power Adapter	• 7.5V DC, 1.5A External Power Adapter
Power Consumption	• 7.2 watts (max)
Dimensions	• 120 x 88 x 25mm (4.7 x 3.46 x 0.98 inches)
Weight	• 354g (12.5oz)
Temperature	• Operating : 0° ~ 40° C (32° ~ 104° F); Storage : -25° ~ 70° C (-13° ~ 158° F)
Humidity	• 5% ~ 90% RH
Safety Emissions	• FCC,CE

Model Name	Media	Wavelength	Pout (dBm)	Sensitivity	Power	Distance
TFC-110S15i	SMF	1310nm	-20 ~ 0	-32dB	12dB	15km
TFC-110S30i	SMF	1310nm	-15 ~ -8	-34dB	19dB	30km
TFC-110S60i	SMF	1310nm	-5 ~ 0	-35dB	30dB	160km

ORDERING INFORMATION

TRENDnet®

20675 Manhattan Place, Torrance, CA 90501 USA

Tel: 1-310-961-5500

Fax: 1-310-961-5511

Web: www.trendnet.com

Email: sales@trendnet.com

To Order Please Call:

1-888-326-6061

