



## 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
- 5-year limited warranty

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### SPECIFICATIONS

Hardware	
Standard	<ul style="list-style-type: none"> <li>• IEEE 802.3 10Base-T</li> <li>• IEEE 802.3u 100Base-TX, 100Base-FX</li> </ul>
Network Media	<ul style="list-style-type: none"> <li>• 10Base-T: UTP Cat. 3, 4, 5, EIA/TIA-568 100-ohm STP</li> <li>• 100Base-TX: UTP Cat. 5, EIA/TIA-568 100-ohm STP</li> <li>• 100Base-FX: 9/125µm or 10/125µm Single-Fiber Optic Cable, up to 60km</li> </ul>
Protocol	<ul style="list-style-type: none"> <li>• CSMA/CD</li> </ul>
Ports	<ul style="list-style-type: none"> <li>• 1 x 10/100Base-TX RJ-45 Port</li> <li>• 1 x 100Base-FX Single-Mode Fiber Port SC Connector</li> </ul>
Dip Switch	<ul style="list-style-type: none"> <li>• Duplex mode for TX/FX, Auto Negotiation or Manual for TX, Speed (10M/100M) for TX, LLR (enable/disable) for FX, LLCF (enable/disable)</li> </ul>
Transfer Rate	<ul style="list-style-type: none"> <li>• 100Base-TX : 200Mbps (Full Duplex)</li> </ul>
Diagnostic LED	<ul style="list-style-type: none"> <li>• Per unit: Power</li> <li>• Per port (TX): Link/Activity, FDX/HDX, Link Fail, Speed</li> <li>• Per port (FX): Link/Activity, FDX/HDX, Link Fail</li> </ul>
Power Adapter	<ul style="list-style-type: none"> <li>• 7.5V DC, 1.5A External Power Adapter</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>• 7.2 watts (max)</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• 120 x 88 x 25mm (4.7 x 3.46 x 0.98 inches)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• 354g (12.5oz)</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>• Operating : 0° ~ 40° C (32° ~ 104° F); Storage : -25° ~ 70° C (-13° ~ 158° F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• 5% ~ 90% RH</li> </ul>
Safety Emissions	<ul style="list-style-type: none"> <li>• FCC,CE</li> </ul>

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

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