



Sixteen Channel 10Base-T to 10Base-FL Media Converter

Fiber-optic connectivity may be required in networks due to several reasons, distance being the most popular, as the copper connectivity is limited by the standard to a network span of 205 m only.

Using external multiple-channel media converters in conjunction with UTP hubs or switches has proven to be the most flexible and cost effective method, cheaper by far compared to using switches with integrated fiber-optic ports. This 19" Rack-Mountable device implements innovative Media Conversion technologies providing an unconditioned network extension over m/m fiber of up to 3500 m (11500 ft), in any network architecture (even when such

includes repeaters).

The device is fully transparent and automatically adapts to conversion of Half and Full-Duplex transmissions.

It is factory pre-configured and several CTF devices can be mixed and stacked to achieve the exact number of channels required while occupying minimal rack-space.

Along with its extensive front-panel diagnostics it ensures trouble free network design, installation and maintenance.

The optional redundant power-supply increases system reliability, eliminating the single point of failure risks.

Key Features

- **Top Performance**

Maximal distances (2000 m F/O, 3500 m in FDX) in any network architecture

- **Protection of Investment**

Extends the span and life of 10Mbps networks

- **Rack-Space Saving**

Industry Record of Sixteen channels in only 1U high!

- **Easy Network Design**

No restrictions

- **Reliability**

Internal power-supply, high quality optical components

- **Maintainability**

Extensive front-panel diagnostics

General Specifications

Standard Compliance

IEEE 802.3, 10Base-T, 10Base-FL

Conversion Method

Transparent to HDX/FDX

10Base-T ports (16)

Shielded RJ-45

Half/Full Duplex support

100m over UTP/STP Cat.5 cable

Auto-Polarity correction

10Base-FL ports (16)

850 nm, multi-mode, ST connectors

Distance: 2000 m (6600 ft)/3500 m (11500 ft)

Half or Full Duplex

Output Power: -15 dbm or better

Input Sensitivity: -33 dbm or better

@62.5/125 μ m fiber

Diagnostics per Channel

Link, RCV -F/O side

Link - copper side

Diagnostics per System

Power (Dual, if redundant power-supply installed)

Environmental and Physical

Power-Supply

100 to 240 VAC, 50-60 Hz (auto-selection)

Optional Redundant PS, load-sharing

Power Consumption

35 Watts maximum

Operating Temperature

0° to +45°C (+32° to 113° F)

Humidity: 10% to 90% non-condensing

Storage Temperature

-30° to +65° C (-22° to +149° F)

Safety

UL 1950:1995, EN 60950

EMC

FCC part 15, Subpart B, Class B; VCCI Class B;

ICES 003:1997, Class B; EMC Directive 89/336/EEC

Dimensions

441x265x44 mm (17.3"x10.4"x1U)

Weight

3.5 kg (7.7 lb) max.

Ordering Information

CTF16

19" R/M Sixteen Channel 10Base-T/10Base-FL
Media Converter

CTF/SM1

Single Mode (16 km) option for one channel

S.CON/PS

Redundant Power-Supply

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