



Single 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 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 compact size yet high quality 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.

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

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 10 Mbps networks

- **Space Saving**

Compact desk-top or shelf-mountable enclosure

- **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 port

Shielded RJ-45

Half/Full Duplex support

100m over UTP/STP Cat.5 cable

Auto-Polarity correction

10Base-FL port

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

Link, RCV -F/O side

Link, RCV- copper side

Power

Environmental and Physical

Power-Supply

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

Power Consumption

6 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

120x170x40 mm (4.7"x6.7"x1.6")

Weight

0.8 kg (1.8 lb) max.

Ordering Information

CTF1

Single Channel 10Base-T/10Base-FL Media Converter

S.CON/SM1

Single Mode (16 km) option

CTF-RM

19" rack shelf for installation of up to 3 CTF1 devices

International:

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