



## Eight Channel 10/100BaseTX-FX Media Converter

This 19" Rack-Mountable device implements the innovative **BMD (Buffered Media Domain)** technology to provide an unconditioned network extension over m/m fiber of 2000 m (6600 ft), in any network architecture (even when such includes repeaters). Its copper ports are auto-sensing to provide easy migration from 10 Mbps to 100 Mbps transmission rates. Special attention was given to allow easy installation and maintenance: MDI-II/MDI-X switch in each

channel to eliminate crossed cables, redundant power-supply, directly removable (hot-swap) power-supply, extensive front-panel diagnostics and more. It is factory pre-configured and several S.CON devices can be mixed and stacked to achieve the exact number of channels required while occupying minimal rack-space. No PDV calculation need to be performed prior to implementing in a network - full performance is always guaranteed.

## Key Features

- **Top Performance**  
Maximal distances (2000 m F/O, 100 m STP) in any network architecture
- **Protection of Investment**  
10Base-T support for easy migration
- **Rack-Space Saving**  
8 channels in an 1U high enclosure
- **Easy Network Design**  
No PDV calculations needed
- **Reliability**  
Redundant (optional) power-supply
- **Maintainability**  
Directly-removable/hot-swap power-supply

## General Specifications

### Standard Compliance

IEEE 802.3u, 100Base-TX, 10Base-T, FDSE,  
100Base-FX

### Conversion Method

**BMD (Buffered Media Domain)**

### 10/100Base-TX ports (8)

Shielded RJ-45  
Half/Full Duplex support via auto-sensing or manual (DIP switch)  
100 m over UTP/STP Cat.5 cable  
Auto-Polarity correction  
MDI-II/MDI-X selection  
10Base-T support via auto-sensing or manual (DIP switch)

### 100Base-FX ports (8)

1310 nm, multi-mode, SC connectors  
Distance: 2000 m (6600 ft)  
Half or Full Duplex (DIP switch selectable)  
Output Power: -18 dbm or better  
Input Sensitivity: -32 dbm or better  
@62.5/125  $\mu$ m fiber

### Diagnostics per channel

Full Duplex, Link, RCV -F/O side  
Full Duplex, Link, RCV, 100 Mbps - copper side

### Controls per channel

FX: FDX/HDX  
TX: 10/100, FDX/HDX,  
Auto-Sense enable/disable

### Diagnostics per System

Power (Dual, if redundant power-supply installed)

## Environmental and Physical

### Power-Supply

100 to 240 VAC, 50-60 Hz, intergrated fan  
Optional Redundant PS, load-sharing

### Power Consumption

40 Watts maximum

### Operating Temperature

0° to +40°C (+32° to 104° 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 A; VCCI Class B;  
ICES 003:1997, Class A; EMC Directive 89/336/EEC

### Dimensions

441x265x44mm (17.3"x10.4"x1U)

### Weight

3.8 kg (8.4 lb) max.

## Ordering Information

### S.CON8

19" R/M Eight Channel 10/100BaseTX-FX  
Media Converter

### S.CON/SM1

Single Mode (25km) option for one channel

### S.CON/SM1/L

Single Mode, Long-Haul (40 km) option for one  
channel

### S.CON/PS

Redundant Power-Supply

### International:

**Fibrolan Ltd.**, Shaar-Yoqneam Industrial Park  
P.O.Box 200, Yoqneam Illit 20692, Israel  
Tel.: Int.+972-4-959-1717, Fax.: Int.+972-4-959-1718  
www.fibrolan.com e-mail: info@fibrolan.com

