



10/100TX-FX Media Converter/Access Device

The **H.CON** is a 10/100Base-TX-FX Media Converter designed and built to be used as a subscriber (CPE) Access Device in FTTx (x=Home, Business, Desk) Networks. It utilizes FibroLAN's **BMD™** (Buffered Media Domain) technology for easy and trouble-free connection to any type of network equipment either 10 or 100Mbps, Half or Full Duplex, while always yielding full F/O distance. Consequently, the service provider does not need to verify (and eventually upgrade) customer's network architecture prior to installation. The device is housed in a compact yet rugged metal case, providing it with strong free-air

cooling for extended reliability. It is equipped with an internal wide-range switching Power Supply for safety, easy installation and reliable operation.

SFS (Single-Fiber-Strand) versions of the H.CON make it a superb choice for FTTH deployment, saving 50% of the cable plant.

The **H.CON** does not require setup of any kind (minimizing installation time) and does not have any external controls to avoid tampering (intentional or accidental) by users. The H.CON is suitable for desk-top, shelf or wall-mount installation.

Key Features

- 10/100Base-TX-FX conversion
- Distances -up to 150km
- BMD for trouble-free deployment
- Internal PS
- Constant Loop-Back via FEF
- Easy installation
- Single-Fiber-Strand for fiber saving

General Specifications

Standard Compliance

IEEE802.3/802.3u
10Base-T, 100Base-TX, 100Base-FX, FDSE

TP port

Shielded RJ-45, MDI-X, auto-polarity, cat.5,
100m
Speed and duplex mode a/n

Diagnostics

3LED 5 function : Power, F/O Link/Activity,
TP Link/Activity

Conversion Method

Buffered Media Domain, FDX Flow Control,
HDX back-pressure flow control
Auto Negotiation

FX port

Duplex SC (ST optional), 62.5/125 μ fiber, Full
Duplex, FEF, 1310nm, Power: -18dbm min,
Sensitivity: -32dbm or better.
SFS - 1310/1550nm or 1550/1310nm
S/M options - see separate table

Environmental and Physical

Power-Supply

Internal, 100 \pm 240 VAC, 50 \pm 60Hz. IEC connector.
-48VDC PS - optional

Operating Temperature

0 \pm +45 $^{\circ}$ C

Storage Temperature

-20 \pm +80 $^{\circ}$ C

Humidity

10 \pm 90% non-condensing

Safety

EN 60950

Power Consumption

4 Watts maximum

EMC

FCC part 15, Subpart B Class B, VCCI Class B
ICES 003:1997, Class B; EMC Directive 89/336/EEC

Weight

500 gram

Dimensions

120x170x40mm (excl. wall-mount brackets)

Ordering Information

H.CON	10/100TX-FX converter, multi-mode fiber, dual SC
H.CON/SMR7	10/100TX-FX converter, single-mode fiber, dual SC, 7km
H.CON/SMR	10/100TX-FX converter, single-mode fiber, dual SC, 15km
H.CON/SM	10/100TX-FX converter, single-mode fiber, dual SC, 25km
H.CON/SM/L	10/100TX-FX converter, single-mode fiber, dual SC, 40km
H.CON/SMRF13	SFS 10/100TX-FX converter, 1310nm transmit, single SC, 15km
H.CON/SMRF15	SFS 10/100TX-FX converter, 1550nm transmit, single SC, 15km
PS48	-36 \pm -72VDC power supply for H.CONxxx (instead of the AC PS)
ETR	Extended Temperature Range (-10 \pm +70 $^{\circ}$ C) option for all H.CON and S.CON1 converters

Specifications subject to change without prior notice

International:

Fibrolan Ltd., Yoqneam Star Building
P.O.Box 544, Yoqneam Illit 20692, Israel
Tel.: Int.+972-4-959-1717, Fax.: Int.+972-4-959-1718
www.fibrolan.com e-mail: info@fibrolan.com

