



FIBEROPTIC NETWORKING

## mS.CON2M



### Compact Dual Channel 10/100BaseTX-FX Media Converter

This compact size device implements the innovative **BMD** (Buffered Media Domain) technology to provide 2 independent network extensions over a fiber up to 150 km in any network architecture (even when such includes repeaters). Its copper ports are auto-sensing to provide easy migration from 10Mbps to 100Mbps transmission rates. Special attention was given to allow easy installation and maintenance: internal quality power-supply, extensive diagnostics and more. No PDV calculation need to be performed prior to implementing in a network - full performance is always guaranteed. Its unique fault propagation features will cut a TP port automatically whenever the device senses loss of the respective F/O link. Far End Fault Signaling (FEF) provides a true indication of the proper operation of the fiber links.

TP ports can be connected to different networks or to two ports of same router for network redundancy. Its managed version, the mS.CON2M, provides economically (one SNMP agent for 2 converters) full remote management via any SNMP platform or via a terminal application.

### Key Features

- ❑ **Top Performance:** maximal distances (150km F/O, 100m STP) in any network architecture
- ❑ **Protection of Investment:** 10Base-T support for easy migration
- ❑ **Versatile installation:** desk-top, half rack, full rack or wall-mounted
- ❑ **Easy Network Design:** no PDV calculations needed
- ❑ **Reliability:** internal quality power-supply
- ❑ **Fault propagation for mission critical applications**
- ❑ **FEF** for true F/O link indication
- ❑ Economical **SNMP** Management

# mS.CON2

## General Specifications

<b><u>Standard Compliance</u></b> IEEE 802.3u, 100Base-TX, 10Base-T, FDSE 100Base-FX	<b><u>Conversion Method</u></b> BMD (Buffered Media Domain) with F>>T fault Propagation
<b><u>10/100Base-TX ports (2)</u></b> Shielded RJ-45 Half/Full Duplex support via auto- negotiation or forced 100m over UTP/STP Cat.5 cable Auto-Cross 10Base-T support	<b><u>100Base-FX ports (2)</u></b> Multi Mode Fiber: Output Power -18dbm min, sensitivity -32dbm or better Single mode and SFS - as per table
<b><u>Diagnostics</u></b> Power, F/O Link/Activity, TP Link/Activity. 10/100, Test Mode ON/OFF	<b><u>Controls</u></b> Per Channel: FP enable/disable, A/N enable/disable, 10/100 Mbps, HDX/FDX Per device: Reset, FEF enable disable

## Environmental/Physical

<b><u>Power-Supply</u></b> Internal, 100 to 240 VAC, 50-60Hz. IEC connector, -48VDC optional	<b><u>Power Consumption</u></b> 15 Watts maximum
<b><u>Operating Temperature</u></b> 0° to +45°C Humidity: 10% to 90% non-condensing	<b><u>Storage Temperature</u></b> -20° to +80° C
<b><u>Safety</u></b> EN 60950	<b><u>EMC</u></b> FCC part 15, Subpart B, Class A; ICES 003:1997, Class A; EMC Directive 89/336/EEC
<b><u>Dimensions</u></b> max - 223x150x44mm	<b><u>Weight</u></b> 1 kg max

## ORDERING INFORMATION

Part #	Model	Description
B013	mS.CON2	Compact Dual channel, 10/100Base-TX to 100BaseFX, BMD, SC, m/m 1310nm, Internal PS
B014	mS.CON2M	Compact Dual channel, 10/100Base-TX to 100BaseFX, BMD, SC, m/m 1310nm, Internal PS, SNMP managed
B156	mS.CON2/SMR	Compact Dual channel, 10/100Base-TX to 100BaseFX, BMD, SC, s/m 15km, 1310nm, Internal PS
B157	mS.CON2M/SMR	Compact Dual channel, 10/100Base-TX to 100BaseFX, BMD, SC, s/m 15km 1310nm, Internal PS
B158	mS.CON2M/SMRF13	Compact Dual channel, 10/100Base-TX to 100BaseFX, BMD, SC, Single- Fiber-Strand s/m 15km Tx 1310nm, Internal PS
B159	mS.CON2M/SMRF15	Compact Dual channel, 10/100Base-TX to 100BaseFX, BMD, SC, Single- Fiber-Strand s/m 15km Tx 1550nm, Internal PS
B012	RM2	19" Rack shalf for mounting 1 or 2 DLA/LTA/mS.CON2 devices
B161	ETR	Extended Temperature Range (-10°C÷+70°C)
B087	PS48	DC (-36VDC÷-72VDC) power supply instead of AC