

MF727XS2 Industrial Tri-Port Media Converter

(1) 10/100Base Copper Port & (2) 100Base-FX Fiber Ports

Product Features

- Provides 3 switching-base network ports (1) Copper + (2) Fiber
- Supports full wire speed forwarding between any two ports
- Supports auto-negotiation 10/100M or forced mode on copper port
- Auto MDI/MDI-X crossover on the copper port
- Supports 802.3x flow control for full-duplex operation
- Supports back-pressure flow control for half-duplex operation
- Low power consumption
- Two power options: screw terminal block and DC jack
- Supports wide power input voltage range
- Supports DIN rail mounting and panel mounting
- Supports wide operating temperature range
- Industrial-rated Emission and Immunity performance



Technical Specifications

Conversion:	10Base-T to 100Base-FX, 100Base-TX to 100Base-FX, 100Base-FX to 100Base-FX, 100Base-FX MM to 100Base-FX SM
Conversion Methods:	<ul style="list-style-type: none"> • Store-and-Forward • Full wire speed switching
Packet Size:	1536 bytes max.
Packet Types:	Transparent conversion with no modification to: <ul style="list-style-type: none"> • Standard IEEE 802.3 Ethernet packet frames • IEEE 802.1Q tagged packet frames
Copper Port (TP):	Shielded RJ-45 jack Auto MDI/MDI-X crossover function Auto-negotiation function for speed and duplex mode Full-duplex and half duplex support 10Mbps - supports Cat. 3,4,5 UTP cable up to 100m 100Mbps - supports Cat. 5 UTP cable up to 100m
Fiber Ports (FX):	Multi-Mode ST or SC, Single-Mode SC, 50/125, 62.5/125 MM, 9/125 SM Fiber 100Mbps Full duplex and half-duplex support Far End Fault Indication support
Flow Control:	IEEE 802.3x for full-duplex, Back Pressure for half-duplex
LEDs:	<ul style="list-style-type: none"> • Power Status • TP port link, activity, speed, duplex status • Per FX port link, activity, optical link status

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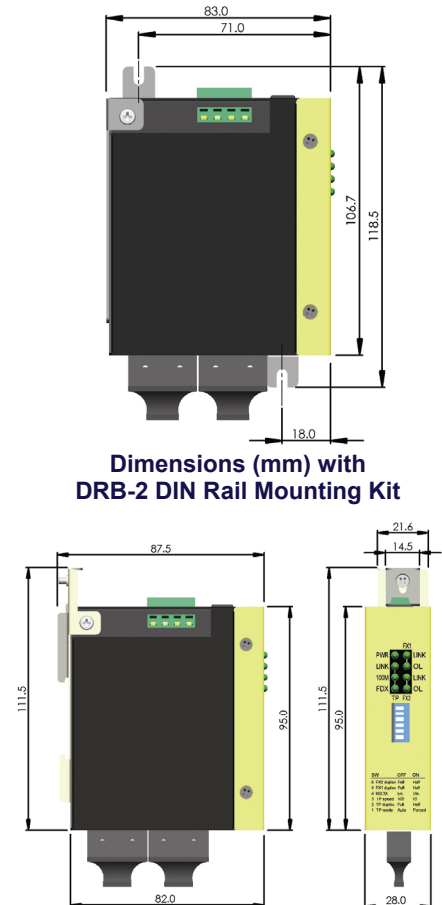
Technical Specifications Cont.

Configuration:	Auto/forced mode, TP speed, TP duplex, FX duplex
DC Power Input:	Screw Terminal Block: 2 pairs of +/- contacts DC Jack: -D 6.3mm / +D 2.0mm Operating Voltage range: +7 ~ +30VDC
Power Consumption:	3W max. @ 30VDC power input
Dimensions:	1.10 x 3.23 x 3.74 inches (28 x 82 x 95 mm)
Housing:	Enclosed metal, no fan
Mounting Support:	DIN Rail, Panel Mounting
Environment:	Operating Temperature: -10° C ~ 70° C Storage Temperature: -20° C ~ 85° C Humidity: 5% ~ 95% non-condensing
Approval:	FCC Class B, CE/EMC Class B, EN60950 safety

DRB-2 DIN Rail
Mounting Bracket



PMB-4 Panel
Mounting Bracket



Dimensions (mm) with
DRB-2 DIN Rail Mounting Kit

Dimensions (mm) with
PMB-4 Panel Mounting Kit

Model	Fiber Port	Wavelength	Tx Power (dBm)	Rx Sens. (dBm)	Rx Max. (dBm)
MF7273S2	(2) MM, ST, 2km	1310nm	-19 ~ -14	-31	-14
MF7274S2	(2) MM, SC, 2km	1310nm	-19 ~ -14	-31	-14
MF7275S2-2	(2) SM, SC, 20km	1310nm	-15 ~ -8	-30	-7
MF7275S2-5	(2) SM, SC, 50km	1310nm	-5 ~ 0	-35	0
MF727BS2	(1) MM, SC, 2 km (1) SM, SC, 20km	1310nm 1310nm	-20 ~ -14 -15 ~ -8	-31 -30	0 -7
MF7275S2-SFA	(2) SM, SC, 20km (Single Fiber)	Tx: 1310nm Rx: 1550nm	-14 ~ 8	-31	0
MF7275S2-SFB	(2) SM, SC, 20km (Single Fiber)	Tx: 1550nm Rx: 1310nm	-14 ~ 8	-31	0

