

# MF727xS Industrial Media Converter

## 10/100Base TX to 100Base-FX

### Product Features

- Supports full wire speed conversion
- Supports auto-negotiation 10/100Mbps
- Auto MDI/MDI-X crossover on the copper port
- Provides Link Fault Pass Through function
- Provides comprehensive manual configuration settings
- Transparent conversion to 802.1Q VLAN tagged packets
- Provides Far End Fault function on fiber port
- 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

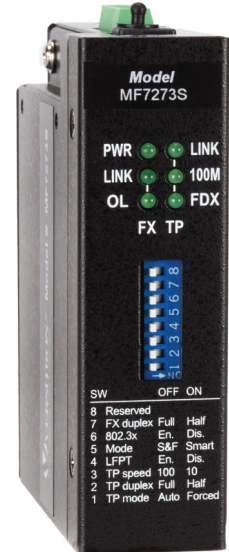
<b>Conversion:</b>	10Base-T to 100Base-FX 100Base-TX to 100Base-FX
<b>Conversion Methods:</b>	Smart-forward mode: <ul style="list-style-type: none"> <li>• Store-and-Forward for 10M to 100M</li> <li>• Direct conversion for 100M to 100M</li> </ul> Store-and-Forward always mode
<b>Packet Types:</b>	Transparent conversion with no modification to: <ul style="list-style-type: none"> <li>• Standard IEEE 802.3 Ethernet packet frames</li> <li>• IEEE 802.1Q tagged packet frames</li> </ul>
<b>Copper Port (TP):</b>	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
<b>Fiber Port (FX):</b>	Multi-Mode ST or SC, Single-Mode SC 100Mbps Full duplex and half-duplex support Far End Fault Indication support
<b>Flow Control:</b>	IEEE 802.3x for full-duplex, Back Pressure for half-duplex

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## 10/100Base TX to 100Base-FX

### Technical Specifications Continued

<b>LEDs:</b>	<ul style="list-style-type: none"> <li>• Power Status</li> <li>• TP port link, activity, speed, duplex status</li> <li>• Per FX port link, activity, optical link status</li> </ul>
<b>Configuration:</b>	Auto/forced mode, TP speed, TP duplex, FX duplex
<b>DC Power Input:</b>	Screw Terminal Block: 2 pairs of +/- contacts DC Jack: -D 6.3mm / +D 2.0mm Operating Voltage range: +7 ~ +30VDC
<b>Power Consumption:</b>	3W max. @ 30VDC power input
<b>Dimensions:</b>	1.10 x 3.23 x 3.74 inches (28 x 82 x 95 mm)
<b>Housing:</b>	Enclosed metal, no fan
<b>Power Supply:</b>	100-240VAC, 50/60Hz - Consumption = 30W
<b>Mounting Support:</b>	DIN Rail, Panel
<b>Environment:</b>	Operating Temperature: -10° C ~ 70° C Storage Temperature: -20° C ~ 85° C Humidity: 5% ~ 90% non-condensing
<b>Approval:</b>	FCC Class B, CE/EMC Class B, EN60950 safety

 MF727xS  
 Front Panel View

 DRB-2 DIN Rail  
 Mounting Bracket

 PMB-4 Panel  
 Mounting Bracket


Model	Fiber Port	Wavelength	Tx Power (dBm)	Rx Sens. (dBm)	Rx Max. (dBm)
MF7273S	MM, ST, 2km	1310nm	-19 ~ -14	-31	-14
MF7274S	MM, SC, 2km	1310nm	-19 ~ -14	-31	-14
MF7275S-2	SM, SC, 20km	1310nm	-15 ~ -8	-30	-7
MF7275S-5	SM, SC, 50km	1310nm	-5 ~ 0	-35	-3
MF7275S-7	SM, SC, 70km	1310nm	-5 ~ 0	-35	-3
MF7275S-9	SM, SC, 90km	1550nm	-5 ~ 0	-35	-3
MF7275S-2SFA	SM, SC, 20km (Single Fiber)	Tx: 1310nm Rx: 1550nm	-14 ~ 8	-31	0
MF7275S-2SFB	SM, SC, 20km (Single Fiber)	Tx: 1550nm Rx: 1310nm	-14 ~ 8	-31	0