

# M7250

## 1000Base-TX to 1000Base-FX Media Converter

### Product Features

- Provides direct media conversion for Gigabit copper & fiber
- Full wire speed conversion
- SFP flexibility (see Page 2)
- Any packet size
- No packet length limitation
- Auto-negotiation with link partners
- Options for Bi-Directional communication
- Options for CWDM
- Optional DIN Rail mounting
- Link fault pass through
- Low power consumption
- Stand-alone or chassis installation



### Technical Specifications

<b>Standards:</b>	IEEE 802.3ab, 802.3z
<b>Copper Port (TP):</b>	Shielded RJ-45 jack Cat5e or higher UTP cable up to 100m Auto-negotiation for duplex and flow control
<b>Fiber Port (FX):</b>	Gigabit Ethernet 1000Base-FX SFP compliant Multi-Mode 50/125 or 62.5/125, Single-Mode 9/125 Fiber Far End Fault Indication support Auto-negotiation for flow control
<b>LEDs:</b>	Power Status, SFP On Status, Link Status, Optical Link Status
<b>Power Input:</b>	+5 ~ +12VDC (+/-5%) Consumption: 2W max. @ 7.5V
<b>Environment:</b>	Operating Temperature: -5° C ~ 55° C Storage Temperature: -20° C ~ 85° C Humidity: 10% ~ 90% non-condensing
<b>Dimensions:</b>	4.25 x 2.85 x 0.90 inches (108 x 72.5 x 23 mm)
<b>Port-to-Port Latency:</b>	1µs (Cut-through latency for all frame sizes)
<b>Mounting Support:</b>	Desktop, Wall, DIN Rail (Optional), Chassis
<b>Approval:</b>	FCC Class B, CE Class B, IEC60950-1

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### Available SFP Modules

Model	Speed (Mbps)	Wavelength	Media	Distance	Connector	TX Power	RX Sens	Temp
GBMM	1000	850nm	MMF	220m(62.5μ) / 550m(50μ)	LC	-9.5 ~ -4	< -18	0 to 70° C
GB2MM	1000	1310nm	MMF	2km	LC	-9 ~ -1	< -19	0 to 70° C
GB10SM	1000	1310nm	MMF / SMF	550m (MM) / 10km (SM)	LC	-9.5 ~ -3	< -20	0 to 70° C
GB20SM	1000	1310nm	SMF	20km	LC	-4 ~ +1	< -24	0 to 70° C
GB40SM	1000	1550nm	SMF	40km	LC	-4 ~ +1	< -24	0 to 70° C
GB70SM	1000	1550nm	SMF	70km	LC	0 ~ +5	< -24	0 to 70° C
GB100SM	1000	1550nm	SMF	100km	LC	0 ~ +5	< -30	0 to 70° C
GB10SFA	1000	Tx: 1310nm Rx: 1550nm	SMF	10km	LC	-3 ~ -9	< -21	0 to 70° C
GB10SFB	1000	Tx: 1550nm Rx: 1310nm	SMF	10km	LC	-3 ~ -9	< -21	0 to 70° C
GB20SFA	1000	Tx: 1310nm Rx: 1550nm	SMF	20km	LC	-3 ~ -8	< -23	0 to 70° C
GB20SFB	1000	Tx: 1550nm Rx: 1310nm	SMF	20km	LC	-3 ~ -8	< -23	0 to 70° C
GB40SFA	1000	Tx: 1310nm Rx: 1550nm	SMF	40km	LC	-3 ~ +2	< -23	0 to 70° C
GB40SFB	1000	Tx: 1550nm Rx: 1310nm	SMF	40km	LC	-3 ~ +2	< -23	0 to 70° C
GB60SFA	1000	Tx: 1310nm Rx: 1550nm	SMF	60km	LC	0 ~ +5	< -24	0 to 70° C
GB60SFB	1000	Tx: 1550nm Rx: 1310nm	SMF	60km	LC	-2 ~ +4	< -25	0 to 70° C
GB80SFA	1000	Tx: 1310nm Rx: 1550nm	SMF	80km	LC	-2 ~ +3	< -26	0 to 70° C
GB80SFB	1000	Tx: 1550nm Rx: 1310nm	SMF	80km	LC	-2 ~ +3	< -26	0 to 70° C