

1*10/100/1000Base-Tx to 1*1000Base-FX Dual Fiber MM 850nm



The Gigabit media converter with external power supply are designed to transmit and receive 10/100/1000Mbps data over optical fiber. The electrical interface will Auto-Negotiate to a 100Mbps or 1000Mbps Ethernet rate without any adjustments. The optical interface operates at a 1000Mbps Ethernet rate. Both are environmentally hardened to operate in extreme temperatures. LED indicators are provided for confirming equipment operating status.



Parameters	Specifications
Standards	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-TX/FX
Wavelength	Multi-mode: 850 nm Single-mode: 1310 nm
Transmission Distance	Multimode: 550M Single mode: 10KM & 15KM & 40KM
Port	One RJ45 port One Single fiber port (SC/ST/FC Optional, LC: SFP Module)
MDI/MDI-X	Auto selection
LED Indicator	Optical Link/Data Activity Electrical Link/Data Activity
Mac address table	4K
Memory buffer	256K
Forward / Filter Rate	10M: 14,880/14,880pps 100M: 148,800/148,800pps 1000M: 1,488,000/1,488,000pps
Power Supply	External : 5V DC 1A Built-in: 100 V to 240 V AC 50Hz to 60 Hz Power Consumption : ≤5W
Operating Temp	0 °C to +70 °C
Storage Temp	-20 °C to +80 °C
Storage Humidity	5% to 90% (non-condensing)

Key Features:

- ▶ 10/100/1000Mbps Ethernet
- ▶ 10/100/1000 BASE-T/TX electrical port
- ▶ 1000 BASE-SX/LX optical port
- ▶ Electrical port supports Auto-Negotiation for 100Mbps or 1000Mbps, full duplex or half duplex data.
- ▶ Optical port supports 1000Mbps full duplex data
- ▶ Automatic MDI/MDI-X crossover
- ▶ Distances up to 120KM with optional SFPs
- ▶ Voltage transient protection on all power and signal input/output lines provides unconditional protection from power surges and other voltage transient events
- ▶ No in-field optical adjustments required
- ▶ LED Indicators

PART NO.	39-300-002				
TITLE	1*10/100/1000Base-Tx to 1*1000Base-FX Dual Fiber MM 850nm				
MATERIAL	SPCC	REV.	A		
DRAWER	JOHN	UNIT	MM		
CHECKED	RAYMOND				
APPROVED	TOM				