

ENHANCED 10/100BASE-TX TO 100BASE-FX MEDIA CONVERTER GGM 742MC / GGM 742MT & GGM 742SC20



Auto MDI / MDI-X

Auto-negotiation

Compact format

The **GGM 742MC/MT/SC20** Media Converter is a cost-effective, feature-packed solution for expanding or extending an existing Ethernet or Fast Ethernet network. The converter is enhanced with such features as remote and local loopback detection, auto-negotiation, and link fault signaling for high reliability. It also features seven DIP switches for manual activation of the enhanced features. This gives the **GGM 742MC/MT/SC20** the ability to be quickly integrated into a network configuration.

The **GGM 742MC/MT/SC20** can be used with the GGM 719 12-slot 19".

PRODUCT FEATURES

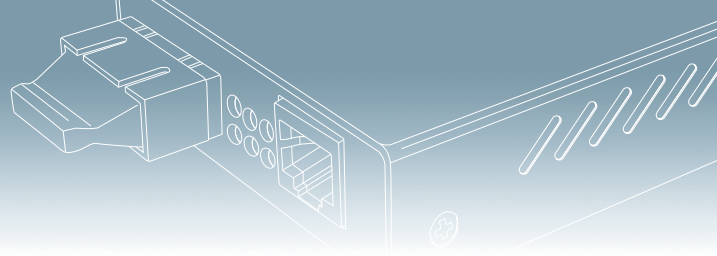
- Automatic MDI/MDI-X
- Auto-negotiation, NWay support on RJ-45
- Link Fault Signaling
- Device DIP switches allow multiple configuration options
- Remote and local loopback testing LEDs for at-a-glance device status

DIP SWITCHES

- DIP 1 Enables/disables autonegotiation
- DIP 2 RJ-45 port duplex mode; full duplex or half-duplex
- DIP 3 RJ-45 port data bit rate; 10Mbps or 100Mbps
- DIP 4 Fiber port duplex mode; full duplex or half-duplex
- DIP 5 Enables/disables Link Fault Signaling
- DIP 6 Enables/disables local loopback
- DIP 7 Enables/disables remote loopback

LEDS

- PWR lit for normal power
- FDX lit in full duplex mode
- LNK lit when receiving link packets from a compliant device
- LFS lit when a break or disruption occurs in either the copper or fiber link
- COL flashes to indicate packet collisions
- 100 lit when data packets are being transmitted at 100Mbps



PRODUCT SPECIFICATION

STANDARDS

IEEE 802.3	10Base-T
IEEE 802.3u	100Base-TX/FX

PORTS

1 x 100Base-FX (SC/ST)
1 x 10/100Base-T (RJ-45)

MAXIMUM DISTANCES

Fiber Optic	Up to 20km
RJ-45	100m

MECHANICAL & ENVIRONMENTAL

Power input	12V DC
Frequency	47 to 63Hz
Power consumption	2.8W
Current	0.23A@12V
Operating temperature	0°C to 50°C
Storage temperature	-25°C to 70°C
Operating humidity	10% to 80% RH
Storage humidity	5% to 90% RH

SAFETY & EMISSIONS

FCC Part 15 of Class A & CE Approved

DIMENSIONS & WEIGHT

	109.2 x 23.4 x 73.8 mm (W x H x D)
Weight	160g

WARRANTY

2 years

PART NUMBERS

P/N	DESCRIPTION
GGM 742MC	Enhanced 10/100Base-TX to 100Base-FX (SC) Multi-mode Media Converter
GGM 742MT	Enhanced 10/100Base-TX to 100Base-FX (ST) Multi-mode Media Converter
GGM 742SC20	Enhanced 10/100Base-TX to 100Base-FX (SC) Single mode 20km Media Converter

YOUR POINT OF CONTACT

