

## ENHANCED 10/100BASE-TX TO 100BASE-FX SINGLEMODE MEDIA CONVERTER

GGM 742SC20



Auto MDI / MDI-X

Auto-negotiation

Compact format

The **GGM 742SC20** 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 742SC20** the ability to be quickly integrated into a network configuration.

The **GGM 742SC20** 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)
	1x 10/100Base-T (RJ-45)
MAXIMUM DISTANCES	
Fiber Optic singlemode	Up to 20 km (wavelength 1310)
RJ-45	100 m

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 NUMBER

P/N	DESCRIPTION
<b>GGM 742SC20</b>	Enhanced 10/100Base-TX to 100Base-FX (SC) Single mode 20km Media Converter