

## GMC200 Manageable Media Converter



GMC200 is a managed Ethernet Media Converter System. It provides an ideal solution to extend the Ethernet services over fiber for fiber-to-the-home (FTTH) or fiber-to-the-building (FTTB) applications. GMC200 offers up to 15 media converter slots to accommodate all kind of different media converter type, such as 10/100Base-TX to 100Base-FX or 10/100/1000Base-TX to 1000Base-X media converter. GMC200 network management solution allows administrators to easily configure features, monitor performance, and troubleshoot the system using a standard Web browser and Simple Network Management Protocol (SNMP)-based network management platforms.

### Features

- Up to 15 media converter slots in one chassis
- In-band network management communication with TS-1000 standard
- 10/100Base-TX to 100Base-FX media conversion
- 802.1p Class of Service with 2-level priority
- 802.3x flow control for a full-duplex mode and collision-based backpressure for a half-duplex mode
- 802.1Q tag-based VLAN with 12 bit VID
- Egress/Ingress rate management control with 2-level priority
- Remote loop back capability
- Remote power off sensitive
- Converter card exchangeable between chassis and remote unit

### Network Management

- In Band: SNMP, Web-based HTTP and Telnet
- Out of Band: RS-232 Console

### Network Protocol and Standards

- IEEE: 802.3, 802.3u, 802.3z, 802.3ab, 802.3ah, 802.1p, 802.1q, 802.1v, 802.3ad, 802.3x
- IEFT: RFC1157 SNMP, RFC854 Telnet, RFC 1123/1493/1643 MIB

### Port Configuration

- 10/100Base-TX RJ45 port and 100Base-FX SC port with single or dual fiber options
- 10/100/1000Base-TX RJ45 port and 1000Base-X SC or LC port with single or dual fiber options

### Optical Interface Options

- 100Base-FX:

Single single-mode fiber, dual wavelength 1310 / 1550nm, SC connector, operating distance 20/40/60km

Dual single-mode fibers, single wavelength 1310 or 1550nm or CWDM wavelength, SC connector,  
operating distance 20/40/60km

Dual multi-mode fibers, single wavelength 1310nm, SC connector, operating distance 2km

- 1000Base-X:

Dual multimode fiber (50/125 μ m), single wavelength 850nm, dual SC or LC, operating distance 550m

Dual multimode fiber (62.5/125 μ m), single wavelength 850nm, dual SC or LC, operating distance 275m

Dual single-mode fiber, single wavelength 1310nm or 1550nm or CWDM wavelength, dual SC or LC,  
operating distance 20/40km

Single single-mode fiber, dual wavelength 1310/1550nm, SC or LC, operating distance 20/40Km

### Power Supply Options

- AC100~249V/1.2A max, 50/60Hz, or
- DC36~72V/1.5A.
- Power Consumption: ~35W

### Physical and Environmental

- Dimensions: 19-inch rack-mount width, 2.0U height.
- Weight: 9Kg
- Operating temperature: 0 °C ~ 50 °C
- Storage temperature: -25 °C ~ 55 °C
- Humidity: 5% ~ 95% RH Non-condensing.

### Ordering Information

- Chassis (19" 2RU chassis with dual power supplies and management card):

GMC200P-110 or GMC200P-48

- Media converter plug-in card: GMC2W0C-X-Y-Z

- Remote media converter: GMC2W0R-X-Y-Z

X (distance in Km)

Y (output wavelength): 13\_1310nm, 15\_1550nm, 47\_1470nm,...61\_1610nm

W (Data Rate): 0\_10/100MHz, 6\_1000MHz

Z (Fiber Number): None\_Two Fiber, S\_Single Fiber