


GM-C420:

10/100/1000Base-T/ SFP to SFP Gigabit Ethernet Converter Module

Key Features

- Supports each converter module media configured and monitored ability
- Supports wire speed packet forwarding ability
- Supports RMON counters for port traffic quality monitoring function
- Supports bandwidth rating per port ingress and egress rate limit 1000Mbps with 1Mbps granularity
- Supports Jumbo Frame max packet length: 9216 bytes
- Supports 802.3x flow control for full-duplex ports and backpressure for half-duplex ports
- Supports SFP for comprehensive types of fiber with different distances
- Supports two SFP for mode conversion application (Multi-mode to Single-Mode Fiber)
- Supports Q-in-Q double tagged frame transparent
- Supports module firmware upgrade
- Supports converter mode for LACP PDU forwarding
- Supports IEEE 802.3ah OAM Remote Failure Indication, Remote Monitoring, Remote Configuration and Loopback Testing
- Supports firmware upgrade by TFTP
- Supports hot-swap and auto reload configuration ability
- Supports IEEE 802.1p Priority
- Supports IEEE 802.1q Tag VLAN
- Supports QoS Classification based on TOS
- Supports LFP(Link Fault Pass Through) function
- RoHS Compliance

Overview

GM-C420 is a converter module designed to make conversion between 10/100/1000Base-T (RJ-45) / 1000Base-SX/LX (SFP) and 1000Base-SX/LX(SFP) Fiber Gigabit Ethernet. It can be used in Ruby

Technical Specifications
Standards Compliance:

- IEEE 802.3 10Base-T specification
- IEEE 802.3u 100Base-TX specification
- IEEE 802.3ab 1000Base-T specification
- IEEE 802.3z 1000Base-X specification
- IEEE 802.3x full-duplex flow control specification
- 1000Base-SX/1000Base-LX Gigabit Ethernet Fiber specification

Network Interface:

10 /100Base-TX:

- Connectors: RJ-45
- Auto-Negotiation
- Auto-MDIX
- Transmission: Full/Half-Duplex
- Max. Cable Length: up to 100m

1000Base-T:

- Connectors: RJ-45
- Auto-Negotiation
- Auto-MDIX
- Transmission: Full-Duplex only
- Max. Cable Length: up to 100m

1000Base-SX (Multi mode):

- Connectors: LC (SFP)
- Auto-Negotiation
- Transmission: Full-Duplex only
- Max. Cable Length: 550m for 50/125µm
- Wavelength: 850nm

1000Base-LX (Single mode):

- Connectors: LC / Bidi-LC (SFP)
- Auto-Negotiation
- Transmission: Full-Duplex
- Max. Cable Length: 50Km for 9/125µm
- Wavelength: 1310nm or 1550nm

Emission and Safety Regulations:

- Complies with FCC Part 15 Class A & CE Mark Approval

Warranty:

- Hardware: One Year
- Software: 90-day

LED Description:

LED	Color	Function
PWR	Green	Lit when +5V power is coming up
Port 2 TP L/A	Green	Lit when port TP connection is good Blinks when any traffic is present
Port 2 SFPL/A	Green	Lit when port SFP fiber connection is good Blinks when any traffic is present

Available Media Converter module for CR-2600

Tech CR-2600 managed converter chassis. With web-based management and CLI (command line interface), the network administrator can logon the converter to monitor, configure and control the activity of each port. In addition, the converter implements bandwidth rating management capability via the intelligent software. The overall network management is enhanced, and the network efficiency is also improved to accommodate and deliver high bandwidth applications.

LED	Color	Function
Port 2 SPD	Green	Green: Lit when 1000Base-TX is active
	Yellow	Yellow: Lit when 100Base-TX is active
Port 2 FDX	Yellow	Lit when TP full-duplex mode is active or TP Collision happens in half-duplex mode
Port 1 SFPL/A	Green	Lit when port SFP fiber connection is good
		Blinks when any traffic is present

- **Power Requirement:** 1.0 A@+5VDC
- **Consumption:** 5W
- **Ambient Temperature:** 0 to 50°C
- **Humidity:** 5% to 90%
- **Dimensions:** 135.6(L) X 66.8(W) mm

Remote Link Partner
GM-C420+CP-E100:

10/100/1000Base-T/SFP to SFP Gigabit Ethernet Managed Converter for CPE Site

RC-2203

10/100/1000Base-T to 1000Base-X Managed GbE Media Converter

Packing Information

Carton Dimensions (mm)	pcs/Carton	N.W (KG)	G.W (KG)
205 x 124 x 49	50	12	13

Ordering Information

Model	Description
GM-C420LC	10/100/1000Base-T/ SFP to SFP GbE Converter Module, LC Multi-Mode, 850nm
GM-C420LC.S10	10/100/1000Base-T/ SFP to SFP GbE Converter Module, LC Single-Mode 10km, 1310nm
GM-C420LC.S30	10/100/1000Base-T/ SFP to SFP GbE Converter Module, LC Single-Mode 30km, 1310nm
GM-C420LC.S50	10/100/1000Base-T/ SFP to SFP GbE Converter Module, LC Single-Mode 50km, 1550nm
GM-C420BL5.S10	10/100/1000Base-T/ SFP to SFP GbE Converter Module, Bidi LC Single-Mode 10km, 1550nm
GM-C420BL3.S10	10/100/1000Base-T/ SFP to SFP GbE Converter Module, Bidi LC Single-Mode 10km, 1310nm
GM-C420BL5.S20	10/100/1000Base-T/ SFP to SFP GbE Converter Module, Bidi LC Single-Mode 20km, 1550nm
GM-C420BL3.S20	10/100/1000Base-T/ SFP to SFP GbE Converter Module, Bidi LC Single-Mode 20km, 1310nm

Note: One SFP transceiver is included.

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