



EM-C201:

10/100Base-TX to 100Base-FX Fast Ethernet Converter Module

Key Features

- 10/100Base-TX to 100Base-FX Fast Ethernet converter module
- Supports hot-swappable
- Complies with IEEE802.3/ IEEE802.3u/ IEEE802.3x standards
- Supports auto-MDIX & auto-negotiation
- Supports full-duplex & half-duplex operation and flow control available. Fiber distances range from 2km in multi-mode, and up to 100km in single mode, flexibly linking distance
- Supports link fault pass through (LFP)
- Allows to configure, monitor, and indicate failure remotely with TS-1000 supported
- Fiber loop-back test capability enables you to troubleshoot remote units from a central location
- RoHS Compliance

Overview

EM-C201 The Converter module is designed to make conversion between 10/100Base-TX and 100Base-FX Fiber Ethernet. With SNMP agent, 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 fiber link OAM function to do remote monitoring, remote failure indication and loopback testing via TS-1000 mechanism. The

Technical Specifications

- **Standards Compliance:** IEEE 802.3 10Base-T specification
IEEE 802.3u 100Base-TX specification
IEEE 802.3x full-duplex flow control specification
100Base-FX Fast Ethernet Fiber specification
- **Maximum Switching Ports:**
The maximum service port capability: 2 Fast Ethernet ports
- **Network Interface:**
 - 10Base-T/100Base-TX:**
 - Connectors: RJ-45
 - Auto-Negotiation
 - Auto-MDIX
 - Transmission: Full/Half-Duplex
 - Max. Cable Length: up to 100m
 - 100Base-FX (Multi mode):**
 - Connectors: SC/ ST
 - Transmission: Full/Half-Duplex
 - Max. Cable Length: 2Km for 62.5/125mm
 - Wavelength: 1310nm
 - 100Base-FX (Single mode):**
 - Connectors: SC/ Bidi-SC /Bidi-SFF
 - Transmission: Full/Half-Duplex
 - Max. Cable Length: 60Km for 9/125µm
 - Wavelength: 1310nm or 1550nm
- **Emission and Safety Regulations:**
Complies with FCC Part 15 Class A & CE Mark Approval
- **LED Description:**

LED	Color	Function
POWER	Green	Lit when +5V power is coming up
FX LNK/ACT	Green	Lit when fiber connection is good Blinks when any traffic is present
TP LNK/ACT	Green	Lit when TP connection is good Blinks when any traffic is present
TP 100	Green	Lit when 100Base-TX connection is good Off when 10Base-T connection is good

- **Power Requirement:** 0.5A@+3.3VDC
- **Consumption:** 1.65W
- **Ambient Temperature:** 0 to 40°C
- **Humidity:** 5% to 90%
- **Dimensions:** 83(L) X 60(W) mm

overall network flexibility is enhanced, and the network efficiency is also improved to accommodate and deliver high bandwidth applications.

Ordering Information

EM-C201SC	10/100Base-TX to 100Base-FX Converter Module, SC Multi-Mode
EM-C201ST	10/100Base-TX to 100Base-FX Converter Module, ST Multi-Mode
EM-C201SC.S05	10/100Base-TX to 100Base-FX Converter Module, SC Single-Mode 5Km
EM-C201SC.S20	10/100Base-TX to 100Base-FX Converter Module, SC Single-Mode 20Km
EM-C201SC.S40	10/100Base-TX to 100Base-FX Converter Module, SC Single-Mode 40Km
EM-C201SC.S60	10/100Base-TX to 100Base-FX Converter Module, SC Single-Mode 60Km
EM-C201BS5.S20	10/100Base-TX to 100Base-FX Converter Module, Bidi SC Single-Mode 20Km, 1550nm
EM-C201BS3.S20	10/100Base-TX to 100Base-FX Converter Module, Bidi SC Single-Mode 20Km, 1310nm
EM-C201BS5.S40	10/100Base-TX to 100Base-FX Converter Module, Bidi SC Single-Mode 40Km, 1550nm
EM-C201BS3.S40	10/100Base-TX to 100Base-FX Converter Module, Bidi SC Single-Mode 40Km, 1310nm
EM-C201BS5.S60	10/100Base-TX to 100Base-FX Converter Module, Bidi SC Single-Mode 60Km, 1550nm
EM-C201BS3.S60	10/100Base-TX to 100Base-FX Converter Module, Bidi SC Single-Mode 60Km, 1310nm

Related Ordering Information

2-Slot Smart Media Converter Chassis	
CR-1200RAC	12-Slot Smart Media Converter Chassis with Dual AC Input Redundant Power Supply
CR-1200RDC	12-Slot Smart Media Converter Chassis with Dual DC Input Redundant Power Supply
CR-1200RADC	12-Slot Smart Media Converter Chassis with AC+ DC Input Redundant Power Supply
CR-1200AC	12-Slot Smart Media Converter Chassis with Single AC Input Redundant Power Supply
CR-1200DC	12-Slot Smart Media Converter Chassis with Single DC Input Redundant Power Supply
CR-2020-P01	1U AC Power Module (for CR-2326M, CR-1200)
CR-2020-P02	1U DC Power Module (for CR-2326M, CR-1200)

1000Base-T to 1000Base-X Converter Module for CR-1200	
GM-C312SC	1000Base-T to 1000Base-X Converter Module, SC Multi-Mode
GM-C312SC.S10	1000Base-T to 1000Base-X Converter Module, SC Single-Mode 10Km
GM-C312SC.S30	1000Base-T to 1000Base-X Converter Module, SC Single-Mode 30Km
GM-C312SC.S50	1000Base-T to 1000Base-X Converter Module, SC Single-Mode 50Km
GM-C312BS5.S20	1000Base-T to 1000Base-X Converter Module, Bidi SC Single-Mode 20Km, 1550nm
GM-C312BS3.S20	1000Base-T to 1000Base-X Converter Module, Bidi SC Single-Mode 20Km, 1310nm

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