

Media Converter Solutions

Available Media Converter module for CR-2600

EM-C220B

EM-C220B:

10/100Base-TX to 100Base-FX Managed Converter Module

Key Features

- Supports each converter module media configured and monitored ability :
 ---Supports port state enabled/disabled
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- ---Supports auto-negotiation/forced mode
- ---Supports port speed and duplex mode • Supports wire speed packet forwarding
- ability as below:
- ----10Base-T : 14880 pps
- ---100Base-TX: 148800 pps
 Supports module per port basic counters for traffic raw data monitor of fiber and TP port as below:
- ---Rx Packet Counter
- ---Rx Byte Counter
- Ty Decket Counter
- ---Tx Packet Counter
- ---Tx Byte Counter
- ---Error Counter
- ---Collision Counter
- ---Tx Speed (bps)
- ---Rx Speed (bps)
- Supports RMON counters for port traffic quality monitoring function
- Supports bandwidth rating per port ingress and egress rate limit 100Mbps with 1Mbps granularity
- Supports max packet length: 1916 bytes
- Supports 802.3x flow control for fullduplex ports and backpressure for halfduplex ports
- Supports comprehensive types of fiber with different distances and connections, including SC/ST/Bidi/LC and so on
- Supports one 10/100Base-T Fast Ethernet UTP port and one 100Base-FX Fast Ethernet Fiber port
- Supports Q-in-Q double tagged frame transparent
- Supports module firmware upgrade
- Supports converter mode (only block Pause frame 01-80-c2-00-00-01 and supported L2 protocol)
- Supports Module Loopback
- Supports Module Information (S/N, MAC, Model Name)

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
 Network Interface: 10/100Base-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 / LC
 - -Transmission: Full/Half-Duplex
 - -Max. Cable Length: 2Km for 62.5/125µm
- -Wavelength: 1310nm
- 100Base-FX (Single mode):
- -Connectors: SC / Bidi-SC / Bidi-SFF
- -Transmission: Full/Half-Duplex
- -Max. Cable Length: 100Km for 9/125µm
- -Wavelength: 1310nm or 1550nm
- Power Requirement: 0.8A /5VDC
- EMI: Comply with FCC Part 15 Class A & CE Mark Approval
- Power Consumption: 4W
- Operating Temperature: 0 to 50°C
- Humidity: 5% to 90%
- Dimensions: 135.6(L)x66.8(W)mm
- LED Description

LED	Color	Function	
POWER	Green	Litwhen 5V poweris coming up	
CPU/LOOP	Green	Litwhen CPU function is on	
		Blinks when looptest is present	
FX LINK/ACT	Green	Lit when fiber connection is good	
		Blinks when any traffic is present	
TP LINK/ACT	Green	Lit when TP connection is good	
		Blinks when any traffic is present	
TP SPEED	Green	Lit when 100Base-TX connection is goo	
		Off when 10Base-T connection is good	
TP FDX/COL	Yellow	Lit when TP full-duplex mode is active or	
		TP Collision happens in half-duplex mode	



- Supports per port basic LEDs for monitoring
- Supports media type, connector, wavelength and distance information
- 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

The EM-C220B 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 bandwidth rating management capability via the intelligent software. The overall network flexibility is enhanced, and the network efficiency is also improved to accommodate and deliver high bandwidth applications.

Packing Information

Carton Dimensions (mm)	pcs/Carton	N.W (KG)	G.W (KG)
530x512x345	50	10	11

Ordering Information				
Model	Description			
EM-C220BSC	10/100Base-TX to 100Base-FXManaged			
	Converter Module, SCMulti-Mode			
EM-C220BSC.S05	10/100Base-TX to 100Base-FX Managed			
	Converter Module, SC Single-Mode 5km			
EM-C220BSC.S20	10/100Base-TX to 100Base-FX Managed			
	Converter Module, SC Single-Mode 20km			
EM-C220BSC.S40	10/100Base-TX to 100Base-FXManaged			
	Converter Module, SC Single-Mode 40km			
EM-C220BSC.S60	10/100Base-TX to 100Base-FX Managed			
	Converter Module, SC Single-Mode 60km			
EM-C220BST	10/100Base-TX to 100Base-FX Managed			
	Converter Module, STMulti-Mode			
EM-C220BBS5.S20	10/100Base-TX to 100Base-FX Managed			
	Converter Module, Bidi SC Single-Mode 20km,			
	1550nm			
EM-C220BBS3.S20	10/100Base-TX to 100Base-FX Managed			
	Converter Module, Bidi SC Single-Mode 20km,			
	1310nm			
EM-C220BBS5.S40	10/100Base-TX to 100Base-FX Managed			
	Converter Module, BidiSC Single-Mode 40km,			
	1550nm			
EM-C220BBS3.S40	10/100Base-TX to 100Base-FX Managed			
	Converter Module, BidiSC Single-Mode 40km,			
	1310nm			
EM-C220BBS5.S60	10/100Base-TX to 100Base-FXManaged			
	Converter Module, BidiSC Single-Mode 60km,			
	1550nm			
EM-C220BBS3.S60	10/100Base-TX to 100Base-FXManaged			
	Converter Module, BidiSC Single-Mode 60km,			
	1310nm			
EM-C220BLC	10/100Base-TX to 100Base-FXManaged			
	Converter Module, LC Multi-Mode			
EM-C220BLC.S20	10/100Base-TX to 100Base-FX Managed			
	Converter Module, LCSingle-Mode 20km			
EM-C220BLC.S40	10/100Base-TX to 100Base-FX Managed			
	Converter Module, LC Single-Mode 40km			
EM-C220BLC.S60	10/100Base-TX to 100Base-FX Managed			
	Converter Module, LC Single-Mode 60km			

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