EMC1200R Series

12-Bay Media Converter System

株式会社 **サイバネテック**

✅ *Value*

> Offers the advantages of a variety of Ethernet media converter transmission combinations and improves the utilization of cabinet space

Features

> Non-stop operation and minimal downtime
> Hot-swappable: redundant power supply modules
> Redundant 100 - 240VAC, 50 - 60Hz Internal Universal PSU, 48VDC power inputs with load sharing redundancy so there are no power outages if one power supply fails.
> House up to twelve Media Converters (EL2211, EM1100/EM2100, EM1000/ EM2000, EM1000S/EM2000S, EL2315, EM120, EL100/ EL200, and EL110/ EL210 series)

> Power isolation: Media Converter bay power isolation ensures each bay is electrically isolated from each other
> Over current protection: Fuse on PCBA for each Media Converter bay and power supply module
> 0°C to 45°C (32°F to 113°F) operating temperature range
> Metal case, standard 19" rack-mount size, one-unit-height Supports Rack Mounting installation

Ordering Information

EMC1200RC	12-Bay EL100C Media Converter System
EMC1200RT	12-Bay EL100T Media Converter System
EMC1200RL	12-Bay EL100L Media Converter System
EMC1210RC	12-Bay EL110C Media Converter System
EMC1210RT	12-Bay EL110T Media Converter System
EMC1210RL	12-Bay EL110L Media Converter System
EMC1220RCC-15	12-Bay EM120MCC-15 Media Converter System
EMC1220RTC-15	12-Bay EM120MTC-15 Media Converter System
EMC1220RLC-15	12-Bay EM120MLC-15 Media Converter System

NOTES :

* ST fiber also available in Single Mode, 20Km

* SC fiber also available in Single Mode, 20/40/60/100/120Km

* SC fiber also available in WDM Type A and Type B, Single Mode 20/40Km, and Multi Mode 2/5Km

EMC1200RGS	12-Bay Gigabit SFP Media Converter System
EMC1230RTSC	12-Bay EL2211-31 Media Converter System
EMC1230RTLC-10	12-Bay EL2211-A1 Media Converter System
EMC1230RTLC-20	12-Bay EL2211-B1 Media Converter System
EMC1200RTSC	12-Bay EM1000TSC Media Converter System
EMC1200RTLC-10	12-Bay EM1000TLC-10 Media Converter System
EMC1200RTLC-20	12-Bay EM1000TLC-20 Media Converter System
EMC1210RTSC	12-Bay EM1100TSC Media Converter System
EMC1210RTLC-10	12-Bay EM1100TLC-10 Media Converter System
EMC1210RTLC-20	12-Bay EM1100TLC-20 Media Converter System
EMC1200RSLC-10	12-Bay EM1000SLC-10 Media Converter System
EMC1200RSLC-20	12-Bay EM1000SLC-20 Media Converter System
EMC1200RLLC-10	12-Bay EM1000LLC-10 Media Converter System
EMC1200RLLC-20	12-Bay EM1000LLC-20 Media Converter System

NOTES :

* SC fiber also available in WDM Type A and Type B, Single Mode 10/20Km, and Multi Mode 2/5Km

Specifications

Technology

Standards	• EL2211, EM1100, EM2100, EL2315: IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3ab 1000BASE-T, IEEE802.3z 1000BASE-SX/1000BASE-LX, IEEE802.3x
	• EM1000, EM2000: IEEE802.3ab 1000BASE-T, IEEE802.3z 1000BASE-SX/1000BASE-LX, IEEE802.3x
	• EM1000S, EM2000S: IEEE802.3z 1000BASE-SX/1000BASE-LX
	• EM120: IEEE802.3u 100BASE-FX
	• EL100, EL200: IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/100BASE-FX, IEEE802.3x
	• EL110, EL210: IEEE802.3u 100BASE-TX/100BASE-FX, IEEE802.3x
Forward and Filtering Rate	• EL2211, EM1100, EM2100, EL2315: 14,880pps for 10Mbps, 148,810pps for 100Mbps, 1,488,100pps for 1000Mbps
	• EM1000, EM2000: 1,488,100pps for 1000Mbps
	• EM1000S, EM2000S: 1,488,100pps for 1000Mbps
	• EL100, EL200: 14,880pps for 10Mbps, 148,810pps for 100Mbps
	• EL110, EL210: 148,810pps for 100Mbps
	• EM120: 148,810pps for 100Mbps
Packet Buffer Memory	• EM1100, EM2100: 256K bits
	• EL100, EL200: 128K bits
	• EL110, EL210: 128K bits
Processing Type	• EL2211, EM1100, EM2100, EL2315: Store-and-Forward, Half-duplex back-pressure and IEEE802.3x Full-duplex flow control
	• EL100, EL200: Store-and-Forward, Half-duplex back-pressure and IEEE802.3x Full-duplex flow control
	• EL110, EL210: Store-and-Forward, Half-duplex back-pressure and IEEE802.3x Full-duplex flow control

Power

Input	• 100 - 240VAC, 50 - 60Hz Internal Universal PSU
	• + / - 48VDC
Power Consumption	• 9.4Watts, system without media converters, but with redundant PSUs. For Total EMC1200R power consumption, please calculate with the selected media converters' datasheet.

Mechanical

Casing	• Metal case
Dimensions	• 440mm (W) x 243mm (D) x 45mm (H) (17.32" (W) x 9.57" (D) x 1.77" (H))
	• Standard 19" rack-mount size, one-unit-height
Weight	• 3.1Kg (6.82lbs.)
Installation	• Rack Mounting

Environment

Operating Temperature	• 0°C to 45°C (32°F to 113°F)
Storage Temperature	• -10°C to 70°C (14°F to 158°F)
Ambient Relative Humidity	• 5% to 95% (non-condensing)

Regulatory Approvals

ISO	• Manufactured in an ISO9001 facility
Emission Compliance	• CE Mark Class A
	• FCC Part 15 Class A

Diagrams

Unit: mm

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