

EMC1200R Series

12-Bay Media Converter System



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
EMC1230RTLCL-10	12-Bay EL2211-A1 Media Converter System
EMC1230RTLCL-20	12-Bay EL2211-B1 Media Converter System
EMC1200RTSC	12-Bay EM1000TSC Media Converter System
EMC1200RTLCL-10	12-Bay EM1000TLC-10 Media Converter System
EMC1200RTLCL-20	12-Bay EM1000TLC-20 Media Converter System
EMC1210RTSC	12-Bay EM1100TSC Media Converter System
EMC1210RTLCL-10	12-Bay EM1100TLC-10 Media Converter System
EMC1210RTLCL-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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • EM1100, EM2100: 256K bits • EL100, EL200: 128K bits • EL110, EL210: 128K bits
Processing Type	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 100 - 240VAC, 50 - 60Hz Internal Universal PSU • + / - 48VDC
Power Consumption	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Metal case
Dimensions	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 3.1Kg (6.82lbs.)
Installation	<ul style="list-style-type: none"> • Rack Mounting

Environment	
Operating Temperature	<ul style="list-style-type: none"> • 0°C to 45°C (32°F to 113°F)
Storage Temperature	<ul style="list-style-type: none"> • -10°C to 70°C (14°F to 158°F)
Ambient Relative Humidity	<ul style="list-style-type: none"> • 5% to 95% (non-condensing)

Regulatory Approvals	
ISO	<ul style="list-style-type: none"> • Manufactured in an ISO9001 facility
Emission Compliance	<ul style="list-style-type: none"> • CE Mark Class A • FCC Part 15 Class A

Diagrams

Unit: mm

