

EL100 Series

10/100BASE-TX to 100BASE-FX Media Converter



✓ Value

- › Supports chassis system installation for easy management and power redundancy accomplishment
- › Flexible dip-switch for Ethernet connection configuration

Features

- › 768K bits buffer memory
- › DIP switch configuration for "Link-Fault-Pass-Through", speed, duplex mode 10/100Mbps-Full/Half-duplex,
- › Auto-Negotiation, Auto-MDI/MDIX
- › Full wire-speed forwarding rate
- › Packed with 12VDC external universal PSU
- › 0°C to 45°C (32°F to 113°F) operating temperature range
- › Aluminum case
- › Supports Wall Mounting installation or use with EMC1600 media converter chassis system

Ordering Information

| | |
|-----------|---|
| EL100C | 10/100BASE-TX to 100BASE-FX Multi Mode (SC) Media Converter |
| EL100T | 10/100BASE-TX to 100BASE-FX Multi Mode (ST) Media Converter |
| EL100C-20 | 10/100BASE-TX to 100BASE-FX Single Mode (SC) - 20Km Media Converter |
| EL100T-20 | 10/100BASE-TX to 100BASE-FX Single Mode (ST) - 20Km Media Converter |
| EL100C-40 | 10/100BASE-TX to 100BASE-FX Single Mode (SC) - 40Km Media Converter |
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| EL110C | 100BASE-TX to 100BASE-FX Multi Mode (SC) Media Converter |
| EL110T | 100BASE-TX to 100BASE-FX Multi Mode (ST) Media Converter |
| EL110C-20 | 100BASE-TX to 100BASE-FX Single Mode (SC) - 20Km Media Converter |
| EL110T-20 | 100BASE-TX to 100BASE-FX Single Mode (ST) - 20Km Media Converter |
| EL110C-40 | 100BASE-TX to 100BASE-FX Single Mode (SC) - 40Km Media Converter |

NOTES :

*EMC1600, proprietary 19" chassis system, can house up to 16xEL100/EL110 Series Converters

*EMC1600 Chassis System is available separately

*More 100FX fiber options are also available upon request

Specifications

| Technology | |
|----------------------------|--|
| Standards | <ul style="list-style-type: none"> IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/100BASE-FX, IEEE802.3x |
| Forward and Filtering Rate | <ul style="list-style-type: none"> 14,880pps for 10Mbps 148,810pps for 100Mbps |
| Packet Buffer Memory | <ul style="list-style-type: none"> 768K bits |
| Processing Type | <ul style="list-style-type: none"> Store-and-Forward Half-duplex back-pressure and IEEE802.3x Full-duplex flow control |
| Power | |
| Input | <ul style="list-style-type: none"> Input Voltage: 12VDC |
| Power Consumption | <ul style="list-style-type: none"> 1.92W Max. 0.16A @ 12VDC |
| Mechanical | |
| Casing | <ul style="list-style-type: none"> Aluminum case |
| Dimensions | <ul style="list-style-type: none"> 80.3mm (W) x 109.2mm (D) x 23.8mm (H) (3.16" (W) x 4.30" (D) x 0.94" (H)) |
| Weight | <ul style="list-style-type: none"> 150g (0.33lb.) |
| Installation | <ul style="list-style-type: none"> Wall Mounting or use with EMC1600 media converter chassis system |

| Interface | |
|---------------------------|--|
| Ethernet Port | <ul style="list-style-type: none"> 10/100BASE-TX: 1 port 100BASE-FX: 1 port |
| LED Indicators | <ul style="list-style-type: none"> Per Unit: Power Status (Power) Per Port: 10/100TX: Link/Activity, Full-duplex/Collision, Speed 100FX: Link/Activity, Full-duplex/Collision |
| 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 |
| Safety | <ul style="list-style-type: none"> UL60950-1 |
| Emission Compliance | <ul style="list-style-type: none"> CE Mark Class A FCC Part 15 Class A VCCI Class A |

Diagrams

Unit: mm

