

NEW

# EL2315 Series

## 10/100/1000BASE-TX to 100/1000BASE-FX Dual Rate SFP Media Converter



### Value

- Offers SFP fiber transmission rate at 100BASE and 1000BASE Ethernet connection
- Supports chassis system installation for easy management and power redundancy

## Features

- Complies with IEEE802.3 10BASE-T, 802.3u 100BASE-TX, 802.3ab 1000BASE-T, 802.3z 1000BASE-X
- Supports IEEE802.3x Flow controls: Flow control for full duplex and Back pressure for half duplex
- SFP fiber interface supports 100BASE and 1000BASE dual rate fiber transmission
- DIP switch configuration for "Link-Fault-Pass-Through," fiber auto/force mode
- Gigabit transmission supports 9K bytes jumbo frame
- Auto-Negotiation, Auto-MDI/MDIX
- Full wire-speed forwarding rate
- Packed with 12VDC external universal PSU
- Supports Wall Mounting installation or use with EMC1600 media converter chassis system

## Ordering Information

EL2315 10/100/1000BASE-TX to 100BASE/1000BASE Dual Rate SFP Media Converter

### SFP Non-Hardened Type Gigabit Fiber Transceiver: (Optional)

Part Number	Typical Distance	Wavelength (nm)	Cable Type	Connector
EX-1250NSP-SB1L	275M/500M	850	MM	Duplex LC
EX-1250TSP-MB4L	10KM	1310	SM	Duplex LC
EX-1250TSP-NB6L	40KM	1310	SM	Duplex LC
EX-1250TSP-KB8L	70KM	1550	SM	Duplex LC
EX-1250TSP-CB8L	70KM	TX:1470 / RX:1610	CWDM	Duplex LC
EX-1250TBP-MB1L	550M	TX:1310 / RX:1550	MM WDM-A	LC
EX-1250TBP-LB1L	550M	TX:1550 / RX:1310	MM WDM-B	LC
EX-1250TBP-MB4L	10KM	TX:1310 / RX:1550	SM WDM-A	LC
EX-1250TBP-KB4L	10KM	TX:1550 / RX:1310	SM WDM-B	LC
EX-1250TBP-MB5L	20KM	TX:1310 / RX:1550	SM WDM-A	LC
EX-1250TBP-KB5L	20KM	TX:1550 / RX:1310	SM WDM-B	LC
EX-1250TBP-NB6L-D	40KM	TX:1310 / RX:1550	SM WDM-A	LC
EX-1250TBP-KB6L-D	40KM	TX:1550 / RX:1310	SM WDM-B	LC
EX-1250TBP-NB7L-D	60KM	TX:1310 / RX:1550	SM WDM-A	LC
EX-1250TBP-KB7L-D	60KM	TX:1550 / RX:1310	SM WDM-B	LC
EX-1250TBP-CB8L-D (1490nm)	80KM	TX:1490 / RX:1570	SM WDM-A	LC
EX-1250TBP-CB8L-D (1570nm)	80KM	TX:1570 / RX:1490	SM WDM-B	LC

### NOTES :

\*More SFP options also available upon request

\*EMC1600, proprietary 19" chassis system, can house up to 16xEL2315 Series Converters

\*EMC1600 Chassis System is available separately

# Specifications

Technology		Interface	
Standards	<ul style="list-style-type: none"> <li>IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3ab 1000BASE-T, IEEE802.3z 1000BASE-SX/1000BASE-LX, IEEE802.3x</li> </ul>	Ethernet Port	<ul style="list-style-type: none"> <li>10/100/1000BASE-TX: 1 port</li> <li>100/1000BASE SFP slot: 1 port</li> </ul>
Forward and Filtering Rate	<ul style="list-style-type: none"> <li>1,488,100pps for 1000Mbps</li> </ul>	LED Indicators	<ul style="list-style-type: none"> <li>Per Unit: Power Status, LFPT</li> <li>Per Port: FX/TX Speed, Link/Activity</li> </ul>
Power		Environment	
Input	<ul style="list-style-type: none"> <li>Input Voltage: 12VDC</li> </ul>	Operating Temperature	<ul style="list-style-type: none"> <li>0°C to 50°C (32°F to 122°C)</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>2.76W Max. 0.23A @ 12VDC</li> </ul>	Storage Temperature	<ul style="list-style-type: none"> <li>-10°C to 70°C (-14°F to 158°F)</li> </ul>
Mechanical		Regulatory Approvals	
Casing	<ul style="list-style-type: none"> <li>Aluminum case</li> </ul>	ISO	<ul style="list-style-type: none"> <li>Manufactured in an ISO9001 facility</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>80.3mm (W) x 109.2mm (D) x 23.8mm (H) (3.16" (W) x 4.3" (D) x 0.94" (H))</li> </ul>	Emission Compliance	<ul style="list-style-type: none"> <li>CE Mark Class A</li> <li>FCC Part 15 Class A</li> <li>VCCI Class A</li> </ul>
Weight	<ul style="list-style-type: none"> <li>0.5Kg (1.76lbs.)</li> </ul>		
Installation	<ul style="list-style-type: none"> <li>Wall Mounting</li> </ul>		

# Diagrams

Unit: mm

