

# EL2315 Series

## 10/100/1000BASE-TX to 100/1000BASE-X 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 PSU
- › Supports Wall Mounting installation or use with EMC1600 media converter chassis system

## Ordering Information

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

- (X) = A : with external power adapter for AU  
 E : with external power adapter for EU  
 J : with external power adapter for JP  
 K : with external power adapter for UK  
 U : with external power adapter for USA  
 3C : with external power adapter for China

### 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-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

### 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	
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>
Forward and Filtering Rate	<ul style="list-style-type: none"> <li>14,880pps for 10Mbps</li> <li>148,810pps for 100Mbps</li> <li>1,488,100pps for 1000Mbps</li> </ul>

Power	
Input	<ul style="list-style-type: none"> <li>Input Voltage: 12VDC</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>2.76W Max. 0.23A @ 12VDC</li> </ul>

Mechanical	
Casing	<ul style="list-style-type: none"> <li>Aluminum case</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>
Weight	<ul style="list-style-type: none"> <li>150g (0.336lbs.)</li> </ul>
Installation	<ul style="list-style-type: none"> <li>Wall Mounting</li> </ul>

Interface	
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>
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>

Environment	
Operating Temperature	<ul style="list-style-type: none"> <li>0°C to 50°C (32°F to 122°F)</li> </ul>
Storage Temperature	<ul style="list-style-type: none"> <li>-10°C to 70°C (-14°F to 158°F)</li> </ul>
Ambient Relative Humidity	<ul style="list-style-type: none"> <li>5% to 95% (non-condensing)</li> </ul>

Regulatory Approvals	
ISO	<ul style="list-style-type: none"> <li>Manufactured in an ISO9001 facility</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>

# Diagrams

Unit: mm

