



Model: EIR508 Series Eight Port Managed Industrial Ethernet Switches

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## Features

- ✓ X-Ring Automatic Recovery
- ✓ Dual 12 to 48 VDC Power Inputs
- ✓ Relay Alarm Output
- ✓ IP30 DIN Rail or Panel Mount
- ✓ Wide Operating Temperature
- ✓ Automatic E-mail Notification for system events
- ✓ SNMP or Web GUI Management

## **Functional Description**

The Elinx EIR508 series of Industrial Managed Ethernet Switches provide powerful functionality in a small package. Designed for industrial applications, these switches contain all the standard features of other switches, such at IGMP Snooping, Port Based VLAN, 802.1Q Tag VLAN, RJ-45 automatic MDI/MDI-X, auto negotiation, store and forward switching, STP, RSTP, Web Based Management, Ingress Packet Filtering, and Egress Rate Control. These managed switches also come with important industrial features to ensure reliability in an industrial application. X-Ring technology with coupling ring and dual homing allows automatic recovery in less than 300 MS. Dual power inputs ensure reliability. A relay alarm output for port failure notification. DIN Rail and Panel Mounting options on the same IP30 case. Another important feature is automatic e-mail notification for system events such as a cold start, change in network topology, power status or SNMP authentication failure.

## **Ordering Information**

Model Number	Description
EIR508-T	Industrial Managed Ethernet Switch, 8 10/100 RJ-45 Ports
EIR508-2MC-T	Industrial Managed Ethernet Switch, 6 10/100 RJ-45 Ports, 2 MM FO (SC) Port
EIR508-2MT-T	Industrial Managed Ethernet Switch, 6 10/100 RJ-45 Ports, 2 MM FO (ST) Port
EIR508-2SC-T	Industrial Managed Ethernet Switch, 6 10/100 RJ-45 Ports, 2 SM FO (SC) Port (30 KM)



Technology							
IEEE Standards	802.3 10Base-T Eth	nernet, 802.3u 100E	Base-TX and 100Base	e-FX Fast Ether	rnet		
	802.3x Flow Control	I and Back Pressure	e, 802.1d Spanning T	ree, 802.1w Ra	apid Spanni	ng Tree	
	802.1p Class of Ser	vice, 802.1Q VLAN	l Tag				
Processing Type	Store and Forward						
Flow Control	Flow control on full of	Flow control on full duplex, Back Pressure on half duplex					
MAC Address Table Size	2 KB						
Memory Buffer	1 MB						
Protocol	CSMA/CD						
Management	SNMP, Web GUI, ar						
Transfer Rate	14,880 bps for Ether	rnet ports, 14,8800	for Fast Ethernet por	ts			
Transfer Packet Size	64 bytes to 1522 byt		)				
Packet throughput ability	1.49 Mbps @ 64 byt						
X-Ring	2 ports for X-Ring pr	rovide redundant ba	ackup with a recovery	time below 300	0 MS.		
Packet Filter			of Broadcast, Multic	ast, Unicast, ar	nd Unknowi	n packets.	
VLAN	Port based and Tag		roups				
Class of Service	4 priority queues per		· • ·				
Quality of Service	Port based, Tag bas						
IGMP	IGMP v1 and Query	mode. Up t o 256 g	groups				
Clock Synchronization	SNTP IP Address						
Management Security Port Mirror	TX packet only or TX	Y and PY packet					
Firmware Update	TX packet only of TZ	A and RA packet					
DHCP		on to obtain addres	ses from DHCP serve	2r			
Bandwidth Control	Ingress Packet Filter						
Danamatri Control	ingrees r doker r iner	in rules and Egress					
Interface							
RJ-45 Ports	10/100BaseT with a	uto negotiation, Fu	II/Half Duplex, MDI/M	DI-X			
Fiber Ports			le with ST or SC conr				
	Toobadoo Tya, olingio			1001010			
			w LED for Full Duple				
Port Indicators (each port)	) Green LED for Link	Activity and Yello	w LED for Full Duples er 2, and Master. Yello	k / Collision	lt.		
Port Indicators (each port) System Indicators	) Green LED for Link	Activity and Yello		k / Collision	lt.		
Port Indicators (each port) System Indicators <b>Fiber Optics</b>	) Green LED for Link Green LEDs for Pow	x / Activity and Yello wer, Power 1, Powe	er 2, and Master. Yello	k / Collision ow LED for Fau			
Port Indicators (each port) System Indicators <b>Fiber Optics</b> Fiber Type	Green LED for Link Green LEDs for Pov Distance	Activity and Yello wer, Power 1, Powe Wavelength	er 2, and Master. Yello Cable	c / Collision bw LED for Fau Output Optic	cal Power		
Port Indicators (each port) System Indicators Fiber Optics Fiber Type Multimode	) Green LED for Link Green LEDs for Pov Distance 2 KM	x / Activity and Yello wer, Power 1, Powe Wavelength 1310 nm	er 2, and Master. Yello Cable 62.5/125 um	<ul> <li>Collision</li> <li>LED for Fau</li> <li>Output Optic</li> <li>-10 to 0</li> </ul>	cal Power dBm	< -28 dBm	
Port Indicators (each port) System Indicators <b>Fiber Optics</b> Fiber Type	Green LED for Link Green LEDs for Pov Distance	Activity and Yello wer, Power 1, Powe Wavelength	er 2, and Master. Yello Cable	c / Collision bw LED for Fau Output Optic	cal Power dBm		
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Port Indicators (each port) System Indicators Fiber Optics Fiber Type Multimode Single Mode Power Input Voltage Current Consumption Input Connection Relay Alarm Mechanical Enclosure Mount Dimensions CE Dect Manufacturer's Name Manufacturer's Name Manufacturer's Address	<ul> <li>Green LED for Link Green LEDs for Pow</li> <li>Distance 2 KM 30 KM</li> <li>12 to 48 VDC, dual sour</li> <li>0.8 A max.</li> <li>Terminal Block</li> <li>1A @ 24VDC</li> <li>IP30 Aluminum Case</li> <li>35 mm DIN or Panel</li> <li>2.3 x 5.7 x 4.3 in (5.8 x 1)</li> <li>Iaration of Conformity</li> <li>B&amp;B Electronic 707 Dayton Ro PO Box 1040 Ottawa, IL 6135</li> </ul>	<ul> <li>Activity and Yellower, Power 1, 2000</li> <li>Wavelength 1310 nm 1310 nm 1310 nm</li> <li>rce</li> <li>14.5 x 10.9 cm)</li> <li>5 Mfg CO pad</li> <li>50 USA</li> </ul>	Cable 62.5/125 um 9/125 um 9/125 um <b>SNMP MIB</b> RFC 1213 MIBI RFC 1493 Bridg RMON RFC 179 RFC 2674 VLAI RFC 1643 Ethe RFC 1215 Trap Private MIB for <b>Environmer</b> Operating Temp Storage Tempe Operating Humi MTBF EIR508-2	<ul> <li>k / Collision</li> <li>bw LED for Fau</li> <li>Output Optic -10 to 0 -15 to -8</li> <li>I</li> <li>ge MIB</li> <li>57</li> <li>N MIB</li> <li>met like MIB</li> <li>MIB</li> <li>switch info</li> <li>htal</li> <li>berature</li> <li>rature</li> <li>dity</li> <li>f</li> <li>2xx-T</li> </ul>	cal Power dBm dBm Up to Cold Port Port Auth Power Port Fault X-Rin -40 to 16 -40 to 18 0 to 95%	<ul> <li>&lt; -28 dBm</li> <li>&lt; -34 dBm</li> <li>&gt; 3 Trap Stations</li> <li>Start</li> <li>link up</li> <li>link down</li> <li>entication Failure</li> <li>er status</li> <li>Alarm</li> <li>Alarm</li> <li>Alarm</li> <li>5 F (-40 to 75 C)</li> <li>5 F (-40 to 85 C)</li> <li>NC</li> <li>nours</li> </ul>	
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Port Indicators (each port) System Indicators Fiber Optics Fiber Type Multimode Single Mode Power Input Voltage Current Consumption Input Connection Relay Alarm Mechanical Enclosure Mount Dimensions CE Deci Manufacturer's Name Manufacturer's Address Model Numbers Description Type	<ul> <li>Green LED for Link Green LEDs for Pow</li> <li>Distance 2 KM 30 KM</li> <li>12 to 48 VDC, dual sour</li> <li>0.8 A max.</li> <li>Terminal Block</li> <li>1A @ 24VDC</li> <li>IP30 Aluminum Case 35 mm DIN or Panel</li> <li>2.3 x 5.7 x 4.3 in (5.8 x 1)</li> <li>Iaration of Conformity B&amp;B Electronic 707 Dayton Ro PO Box 1040 Ottawa, IL 6133 EIR508-T, EIRS Industrial Mana Light Industrial</li> </ul>	<ul> <li>Activity and Yellower, Power 1, 2000</li> <li>Wavelength 1310 nm 1310 nm 1310 nm</li> <li>rce</li> <li>14.5 x 10.9 cm)</li> <li>cs Mfg CO pad</li> <li>50 USA 508-2xx-T series</li> </ul>	Cable 62.5/125 um 9/125 um 9/125 um <b>SNMP MIB</b> RFC 1213 MIBI RFC 1493 Bridg RMON RFC 173 RFC 2674 VLAI RFC 1643 Ethe RFC 1215 Trap Private MIB for <b>Environmer</b> Operating Temp Storage Tempe Operating Humi MTBF EIR508-2 <b>Regulatory</b>	<ul> <li>k / Collision</li> <li>bw LED for Fau</li> <li>Output Optic -10 to 0 -15 to -8</li> <li>I</li> <li>ge MIB</li> <li>57</li> <li>N MIB</li> <li>met like MIB</li> <li>MIB</li> <li>switch info</li> <li>htal</li> <li>berature</li> <li>rature</li> <li>dity</li> <li>f</li> <li>2xx-T</li> </ul>	cal Power dBm dBm Up to Cold Port Port Auth Powe Port Fault X-Rin -40 to 16 -40 to 18 0 to 95% 319175 I 315109 I	<ul> <li>&lt; -28 dBm</li> <li>&lt; -34 dBm</li> <li>&gt; 3 Trap Stations</li> <li>Start</li> <li>link up</li> <li>link down</li> <li>entication Failure</li> <li>er status</li> <li>Alarm</li> <li>t Alarm</li> <li>t Alarm</li> <li>57 F (-40 to 75 C)</li> <li>55 F (-40 to 85 C)</li> <li>NC</li> <li>nours</li> <li>nours</li> </ul>	
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Michael J. Fahrion, Director of Engineering



**Specifications**