8 Port Managed GB Industrial Ethernet Switches

EIR608-2SFP & EIR608-4SFP

PRODUCT FEATURES

- X-Ring automatic recovery
- Up to 8 10/100/1000TX RJ45 ports with MDI/MDI-X
- (2 or 4) 100/1000 SFP ports
- Dual 12 to 48 VDC power inputs
- Relay alarm output
- DIN Rail or Panel Mount Option Included
- Automatic e-mail notification for system events
- SNMP, CLI, or web management
- Port mirror and port trunk with LACP

The Elinx™ EIR608-xSFP series Industrial Gigabit 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. The EIR608-xSFP is also Gigabit capable and comes with 2 or 4 SFP ports which allow the addition of fiber optic ports.

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
EIR608-2SFP	8 Port Gigabit Industrial Managed Switch w/ 6 copper & (2) copper or SFP Combo ports
EIR608-4SFP	8 Port Gigabit Industrial Managed Switch w/ 4 copper ports and 4 SFP ports

ACCESSORIES

MDR-60-24 - DIN Rail Power supply 24VDC, 2.5A, 60W

C5UMB3FBL - 3 ft. - Blue - Category 5e UTP Patch Cord

DFMM-LCLC-1M - Multi-Mode Duplex Fiber Cable, LC To LC, 1 Meter

DFSM-LCLC-1M - Single-Mode Duplex Fiber Cable, LC To LC, 1 Meter

SFP-1000SX-M-550M-T - SFP Module, 1000Base-SX, Multi-mode 550m, LC Connector (-40 to 85°C)

SFP-100FX-M-2KM-T - SFP Module, 100Base-FX, Multi-mode 2km, LC Connector (-40 to 85°C)

SFP-1000LX-S-10KM-T - SFP Module, 1000Base-LX, Single-mode 10km, LC Connector (-40 to 85°C)

SFP-1000LX-S-20KM-T - SFP Module, 1000Base-LX, Single-mode 20km, LC Connector (-40 to 85°C)

SFP-100FX-S-30KM-T - SFP Module, 100Base-FX, Single-mode 30km, LC Connector (-40 to 85°C)

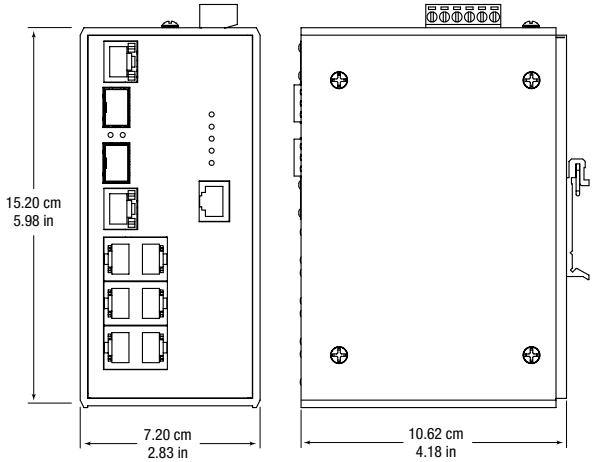
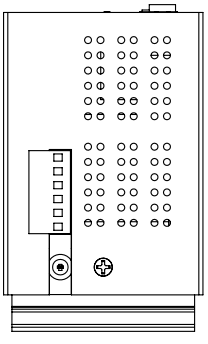
8 Port Managed GB Industrial Ethernet Switches

EIR608-2SFP & EIR608-4SFP

SPECIFICATIONS

TECHNOLOGY	
IEEE Standards	802.3 10Base-T Ethernet, 802.3u 100Base-TX and 100Base-FX Fast Ethernet, 802.3ab 1000Base-TX; 802.3x Flow Control and Back Pressure, 802.1d Spanning Tree, 802.1w Rapid Spanning Tree; 802.1p Class of Service, 802.1Q VLAN Tag, 802.3z Gigabit fiber, 802.3ad Port Trunk with LACP, 802.1x User Authentication
Processing Type	Store and Forward
Flow Control	Flow control on full duplex, Back Pressure on half duplex
MAC Address Table Size	8 KB
Packet Buffer	1M bit
Flash ROM	4M byte
DRAM	32M byte
Protocol	CSMA/CD
Management	SNMP (v2, v2C, V3), Web GUI, TELNET, CLI.
Management Security	Up to 10 IP addresses can have permission to manage the switch. 802.1x (RADIUS) Authentication
Transfer Rate	14,880 pps 10BaseT, 148,800 100BaseTX/FX, 1,488,000 Gigabit
Packet throughput ability	23.8 Mbps @ 64 bytes
X-Ring	2 ports for X-Ring provide redundant backup with a recovery time below 300 MS.
Packet Filter	4 Selection Rules to filter combinations of Broadcast , Multicast, Unicast, and Unknown packets.
VLAN	Port based / Tag (256 entries) / VLAN ID (up to 4K) / GRVP (256 groups) / Double Tag VLAN (Q in Q) Private VLAN
Port Trunk	LACP Port Trunk. 4 Trunk Groups. Maximum 4 Trunk Members
Class of Service	4 priority queues per port
Quality of Service	Port based, Tag and IPv4 Type of Service, IPv4 / IPv6 Different Service
IGMP	IGMP snooping v1, v2. 256 multicast groups and IGMP query
Clock Synchronization	SNTP
Port Mirror	TX packet only or TX and RX packet
Firmware Update	TFTP
DHCP	DHCP Client Function to obtain addresses from DHCP server
Bandwidth Control	Ingress Packet Filter rules and Egress Rate Control

INTERFACE	
LAN/WAN Ports	EIR608-2SFP: (6) RJ45 10/100/1000, (2) RJ-45 10/100/1000 or SPF Mini-GBIC Combo (RJ45 disabled when SFP installed), (SFP ports are 100/1000); EIR608-4SFP: (4) RJ45 10/100/1000, (4) SPF Mini-GBIC (SFP ports are 100/1000)
Console Port	RS-232 RJ-45 (Adapter Cable Included)
Port Indicators (each port)	Green LED for Link / Activity, Green LED for speed 1000M, Green LED for SFP Link Activity
System Indicators	Green LEDs for Power, Power 1, Power 2, and Master. Yellow LED for Fault.
POWER	
Input Voltage	12 to 48 VDC, dual source
Power Consumption	11.2 W max
Input Connection	Terminal Block
Relay Alarm	1A @ 24V
ENVIRONMENTAL	
Operating Temperature	14 to 140°F (-10 to 60°C)
Storage Temperature	-40 to 185°F (-40 to 85°C)
Operating Humidity	0 to 95% NC
MTBF EIR608-2SFP	220593
MTBF EIR608-4SFP	286945
MECHANICAL	
Enclosure	IP30 Aluminum Case
Mount	35 mm DIN or Panel
Dimensions	7.4 x 10.7 x 16.3 cm (2.9 x 4.2 x 6.4 in)
REGULATORY APPROVALS	
EMI	FCC Class A EN6100-4-2, -4-3, -4-4, EN6100-4-5, -4-6
Safety	EN60950
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6

SNMP MIB	SNMP TRAP
RFC 1213 MIBII	Up to 3 Trap Stations
RFC 1493 Bridge MIB	Cold Start
RMON RFC 1757	Port link up
RFC 2674 VLAN MIB	Port link down
RFC 1643 Ethernet like MIB	Authentication Failure
RFC 1215 Trap MIB	Power status
RFC 1157 SNMP MIB	Port Alarm
RSTP MIB	Fault Alarm
Private MIB for switch info	X-Ring

MECHANICAL DIAGRAM