

Etherbus[®] (EB Series)

Industrial Ethernet PoE Switch,
Injectors, Splitter and More

Hardware Guide




Contents at a Glance:

Section 1	General Information	Page 3
Section 2	LED Indicators	Page 4
Section 3	Installation / Mounting	Page 6
Section 4	Power Wiring	Page 10
Section 5	Communication Wiring	Page 15
Section 6	Technical Specifications	Page 18
Section 7	Service Information	Page 22

This manual applies to the following products:

- **EB-5ES-PSE-#** Industrial PoE 5-port unmanaged Ethernet switch
- **EB-PSE-48V-2** Industrial PoE power injector for 2 channels
- **EB-PSE-24V-1** Industrial PoE power injector with built-in 24V to 48V converter
- **EB-PD-24V-1** Industrial PoE splitter converts 48V to 24V
- **EB-PD-UPS-1** Industrial PoE splitter converts 48V to 14V
- **EB-PS-4824-13** Industrial DC / DC power converter for 48V to 24V

Ethernet DC/DC Converter Performance Specifications

Model		EB-PS-4824-13		
Output	DC voltage	24 VDC		
	Rated current	0.54 Amps		
	Current range	0 – 0.54 Amps		
	Rated power	13 Watts		
	Ripple / noise (max.)	200 mV p-p		
	Voltage tolerance	+/- 1%		
	DC voltage range	45 – 56 VDC		
	Efficiency (typ.)	85 %		
Protection	Current (typ.)	0.32 Amps @ 48 VDC		
	Over-load	Current limiting with automatic recovery		
	Over-voltage	Transient: 15Kw peak; Surge: 5K watts (10x10 uS)		
Environmental	Over-temperature	140°C with auto. recovery		
	Operation temp.	-40 to + 75°C		
	Operation humidity	5 to 95% RH (non-cond.)		
	Storage	-40 to + 85°C		
Standards			Vibration, shock and freefall	IEC68-2-6, -27 and -32
			Safety	UL508 / CSA C22.2/14 (CUL); EN61010-1
			Hazardous locations	UL1604 / CSA C22.2/213 (CUL), Class 1, Division 2; ATEX / Cenelec Zone 2
			EMC emissions and immunity	FCC Part 15 / ICES-003; EN55022 / IEC61326-1
Miscellaneous	Withstand voltage	Input to output: 1500 Vrms		
	MTBF (estimated)	>1,000,000 hours		
	Packaging	Polycarbonate; IP30		
	Mounting	DIN rail or flat to panel		
	Weight (approximate)	0.17 Kg (0.25 lbs)		
	Dims (w x h x d) (approximate)	25 x 101 x 76 mm (1.0 x 4.0 x 3.0 inches)		

Section 7

Service Information

Service Information

We sincerely hope that you never experience a problem with any **SIXNET** product. If you do need service, call **SIXNET** at (518) 877-5173 and ask for Applications Engineering. A trained specialist will help you to quickly determine the source of the problem. Many problems are easily resolved with a single phone call. If it is necessary to return a unit to us, an RMA (Return Material Authorization) number will be given to you.

SIXNET tracks the flow of returned material with our RMA system to ensure speedy service. You must include this RMA number on the outside of the box so that your return can be processed immediately.

The applications engineer you are speaking with will fill out an RMA request for you. If the unit has a serial number, we will not need detailed financial information. Otherwise, be sure to have your original purchase order number and date purchased available.

We suggest that you give us a repair purchase order number in case the repair is not covered under our warranty. You will not be billed if the repair is covered under warranty.

Please supply us with as many details about the problem as you can. The information you supply will be written on the RMA form and supplied to the repair department before your unit arrives. This helps us to provide you with the best service, in the fastest manner. Normally, repairs are completed in two days. Sometimes difficult problems take a little longer to solve.

If you need a quicker turnaround, ship the unit to us by air freight. We give priority service to equipment that arrives by overnight delivery. Many repairs received by mid-morning (typical overnight delivery) can be finished the same day and returned immediately.

We apologize for any inconvenience that the need for repair may cause you. We hope that our rapid service meets your needs. If you have any suggestions to help us improve our service, please give us a call. We appreciate your ideas and will respond to them.

For Your Convenience:

Please fill in the following and keep this manual with your **SIXNET** system for future reference:

P.O. #: _____ Date Purchased: _____

Purchased From: _____

Product Support

To obtain support for SIXNET products:

Latest product info: <http://www.sixnet.com>

Phone: +1 (518) 877-5173

Fax: +1 (518) 877-8346

E-mail: support@sixnet.com

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