

EtherWAN EL900-A-H-1-B

EtherWAN EL900-A-H-1-B Hardened Media Converter User Manual

Model: EL900-A-H-1-B

INTRODUCTION

The EtherWAN EL900-A-H-1-B is a hardened media converter designed for industrial applications, facilitating reliable data transmission in harsh environments. This manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of your device.



Figure 1: Front view of the EtherWAN EL900-A-H-1-B Hardened Media Converter, showing its compact black metal casing, an RJ45 Ethernet port, LED indicators, and DIP switches for configuration.

SETUP AND INSTALLATION

This section outlines the steps for physically installing and connecting the EL900-A-H-1-B media converter.

Package Contents

- EL900-A-H-1-B Hardened Media Converter
- Quick Installation Guide (if applicable)
- Mounting Hardware (DIN-rail clip or panel mount screws)

Mounting Options

The EL900-A-H-1-B supports both DIN-rail and panel mounting. Ensure the mounting location provides adequate

ventilation and is within the specified operating temperature range.

Power Connection

Connect the device to a compatible power source using the terminal block. Refer to the specifications section for voltage requirements. Ensure proper polarity when connecting power.

Network Connections

- **Ethernet Port:** Connect your Ethernet device (e.g., switch, router, PC) to the RJ45 port using a standard Ethernet cable.
- **Fiber Optic Port:** Connect your fiber optic cable to the appropriate fiber port. Ensure the fiber type (single-mode/multi-mode) and connector type match your network infrastructure.

OPERATING INSTRUCTIONS

Once installed and powered, the EL900-A-H-1-B operates automatically as a media converter. This section describes its indicators and basic functions.

LED Indicators

LED	Status	Description
PWR	Green (Solid)	Device is powered on.
FX Link/Act	Green (Solid)	Fiber link established.
	Green (Blinking)	Fiber data activity.
TX Link/Act	Green (Solid)	Ethernet link established.
	Green (Blinking)	Ethernet data activity.

DIP Switch Configuration

The EL900-A-H-1-B may feature DIP switches for specific configurations such as Link Fault Pass-Through (LFP) or speed settings. Refer to the product's detailed datasheet for specific DIP switch functions and recommended settings for your application.

MAINTENANCE

The EL900-A-H-1-B is designed for robust operation with minimal maintenance. However, periodic checks can ensure optimal performance and longevity.

- **Cleaning:** Keep the device free from dust and debris. Use a soft, dry cloth for cleaning the exterior. Do not use liquid cleaners.
- **Cable Inspection:** Periodically inspect all connected cables (Ethernet and fiber) for damage or loose connections.
- **Environment:** Ensure the operating environment remains within the specified temperature and humidity ranges to prevent overheating or condensation.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your EL900-A-H-1-B media converter.

Problem	Possible Cause	Solution
No Power LED (PWR)	No power supply; incorrect voltage; faulty power connection.	Check power source, verify voltage, ensure secure power connections.
No Link on Fiber (FX Link/Act)	Damaged fiber cable; incorrect fiber type; faulty SFP module (if applicable); distant end device off.	Inspect fiber cable, ensure correct fiber type, check SFP module, verify distant end device is operational.
No Link on Ethernet (TX Link/Act)	Damaged Ethernet cable; incorrect cable type (straight-through/crossover); faulty network card; distant end device off.	Inspect Ethernet cable, ensure correct cable type, check network card, verify distant end device is operational.
Data not transmitting	Link established but no data flow; incorrect DIP switch settings.	Check network configuration on connected devices. Verify DIP switch settings against the product datasheet.

If the problem persists after attempting these solutions, please contact technical support.

SPECIFICATIONS

Key technical specifications for the EtherWAN EL900-A-H-1-B.

- **Model:** EL900-A-H-1-B
- **Manufacturer:** EtherWAN
- **ASIN:** B00RZ5VN18
- **First Available:** December 17, 2014
- **Description:** Hardened Media Converter, DIN Rail or Panel Mount
- *Note: For detailed electrical, environmental, and performance specifications, please refer to the official product datasheet available on the EtherWAN website.*

WARRANTY INFORMATION

EtherWAN products typically come with a standard manufacturer's warranty. For specific warranty terms, conditions, and duration applicable to your EL900-A-H-1-B unit, please refer to the warranty card included with your product or visit the official EtherWAN website. Keep your proof of purchase for warranty claims.

TECHNICAL SUPPORT

If you require technical assistance or have questions not covered in this manual, please contact EtherWAN technical support.

- **Website:** Visit the official EtherWAN website for support resources, FAQs, and contact information.
- **Contact:** Refer to the "Contact Us" section on the EtherWAN website for phone numbers or email addresses for technical support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question