



MIL-L100i

Single-Port Power over Ethernet Injector

USER GUIDE

Regulatory Approval

- FCC Class A
- UL 1950
- CSA C22.2 No. 950
- EN60950
- CE
- EN55022 Class A
- EN55024

Canadian EMI Notice

This Class A digital apparatus meets all the requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numerique de la classe A respecte toutes les exigences du Reglement sur le materiel brouilleur du Canada.

European Notice

Products with the CE Marking comply with both the EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community Compliance with these directives imply conformity to the following European Norms:

- EN55022 (CISPR 22) - Radio Frequency Interference
- EN61000-X - Electromagnetic Immunity
- EN60950 (IEC950) - Product Safety

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To Contact MiLAN Technology

For prompt response when calling for service information, have the following information ready:

- Product serial number and revision
- Date of purchase
- Vendor or place of purchase

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1.

Introduction

Thank you for purchasing MiLAN's MIL-L100i Single Port Power over Ethernet (PoE) Injector. The MIL-L100i provides data and AC power through the Ethernet cable to PoE enabled devices, such as AP, PoE splitter or other equipment supporting IEEE 802.3af. The injector is typically installed near the Ethernet hub. The following figure shows a sample of a Power over Ethernet Injector application.

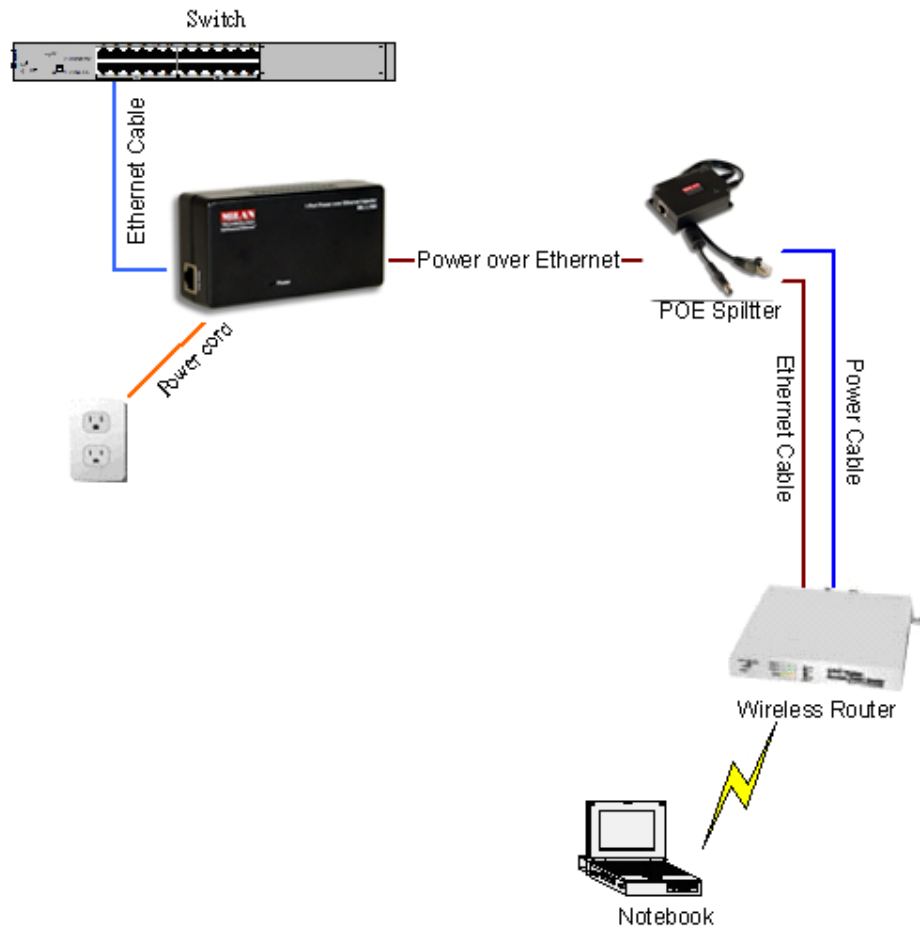


Figure 1-1. Power over Ethernet Injection Application

Features

- Power Over Ethernet Injector
- IEEE802.3af Compliance
- Remote power feeding
- Short circuit protection
- Mix Ethernet and power into RJ-45 port
- Deliver power up to 100 meters
- Light weight and compact size
- Plug-and-Play

Package Contents

Unpack the contents of the package and verify them against the checklist below.

- One MIL-L100i Power over Ethernet Injector
- Power Cord
- User Manual
- Warranty Card

If any item is missing or damaged, please contact your local dealer for service.

2.

Hardware Description

The Power over Ethernet Injector has three connection ports and one LED indicator.

- **Data In port:** RJ-45 Ethernet interface port for data transmitting from the switch to the PoE Injector.



Figure 2-1. Data In and PowerIn ports

- **Power In port:** The Power In port is for supplying the power to the Injector.
- **Data Out port:** RJ-45 Ethernet port with a fixed RJ-45 cable to connect to a PoE Splitter, PD, or PoE Hub.



Figure 2-2. Data Out port

3.

Installation

To install the Power over Ethernet Injector, please follow these steps.

1. Use RJ-45 cable from the **Data in** port on the Power over Ethernet Injector to the Switch/HUB.
2. Use RJ-45 cable from the **Data out** port on the Power over Ethernet Injector to the PoE Splitter, PD (Such as Router, Access Point...etc.) or PoE Hub.
3. Plug in the power cord of the Power over Ethernet Injector to the appropriate power source.
4. Before starting, make sure all connections are correct.

4.

Technical Specification

The following table provides the technical specification of the Power over Ethernet Injector.

Standard	IEEE802.3/3u 10BASE-T/100BASE-TX IEEE802.3af Power over Ethernet
Connector	DC out: Power pin: 4,5(V+), 7,8(V-)
Network Cable	10BASE-T: 2-pair UTP/STP Cat.3, 4,5 cable EIA/TIA-568 100-ohm (100m) 100BASE-TX: 2-pair UTP/STP Cat.5 cable EIA/TIA-568 100-ohm (100m)
LED	System: power (green)
Power Input	100~240V, 50~60Hz, 0.25A
Output Power	48VDC, 0.3A
Operating environment	0 ° ~ 40 °C
Operating Humidity	90% Humidity (non-condensing)
Storage Temperature	0 ° ~ 70 °
Dimension	117mm x 60mm x 35mm (L x W x H)
EMI & Safety	FCC Class B, CE, UL, cUL, CE/EN60950



90000430 Rev B