



**ETHERNET EXTENSION EXPERTS**

# Enable-IT 828 Gigabit PoE Extender Unit Quickstart Guide



# INSTALLING THE 828 GIGABIT POE EXTENDER UNIT

## Installation

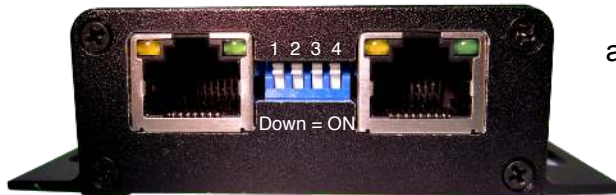
The Enable-IT 828 – A Dual Output Gigabit PoE Extender Unit has a distance restriction of 800ft or 240m over 4-pair Category 5e or higher spec rated wiring. Or multiple 828 units can be daisy chained with PoE to reach up to 2,000ft or 1,828m.

- Total distance limitation of 800ft or 240m from end to end per 828 unit.  
Max distance is 2,000ft / 1.8km in a daisy chain manner.
- 4-pair CAT 5e .24 AWG twisted pair or better cabling is required for Gigabit throughput.
- Wire pairs used must be straight through, no taps/connection points.

## DIP Switch for PoE Control and PoE Pairs

The Enable-IT 828 is equipped with a selectable PoE output and wire pair control.

By Default the 828 ships with PoE output disabled (shown UP) to protect any device you may plug in like a laptop. The DIP switch is labeled positions 1 ~ 4.



Position 1 & 2 control the left port and position 3 & 4 control the right port.

### Left Port

Position 1 down = ON  
2-Pair PoE output data RJ-45 pairs (1/2 +, 3/6 -)  
Position 2 down = ON  
2-Pair PoE output on RJ-45 pairs (4/5 +, 7/8 -)

### Right Port

Position 3 down = ON  
2-Pair PoE output data RJ-45 pairs (1/2 +, 3/6 -)  
Position 4 down = ON  
2-Pair PoE output on RJ-45 pairs (4/5 +, 7/8 -)

**LAN jack LEDs - Green = 100Mbps    Yellow = 10Mbps or 1000Mbps**

## Perform an Out Of The Box Test (OOTBT)

**We highly recommend that you perform a quick test to ensure the working order of your Enable-IT 828 Ethernet Extender units prior to installing.**

**This will also serve to familiarize you with how easy the process should be.**

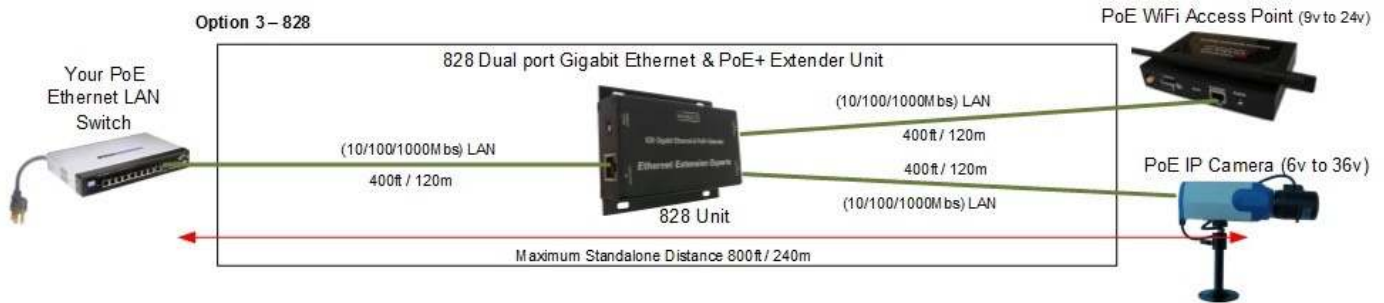
**Step 1) Set the DIP switch pins to enable PoE Output.**

**Step 2) Using a Ethernet patch cord attach your PoE source Injector or PoE Switch to the 828 LAN PoE IN port. The 828 left side Green Power LEDs will turn on and all connected Yellow Link LEDs will flicker for LAN traffic activity.**

**Step 3) Using a Ethernet patch cord connect one of the 828 right side (dual ports) LAN to your PoE device.**

**This confirms basic proper operation of the units.**

**For a more detailed test and to confirm your LAN Equipment works with the 828 units, connect your Ethernet LAN to the PoE injector LAN in port and then test LAN port and test connectivity all the way end to end.**



**Performing the On-Site Installation**

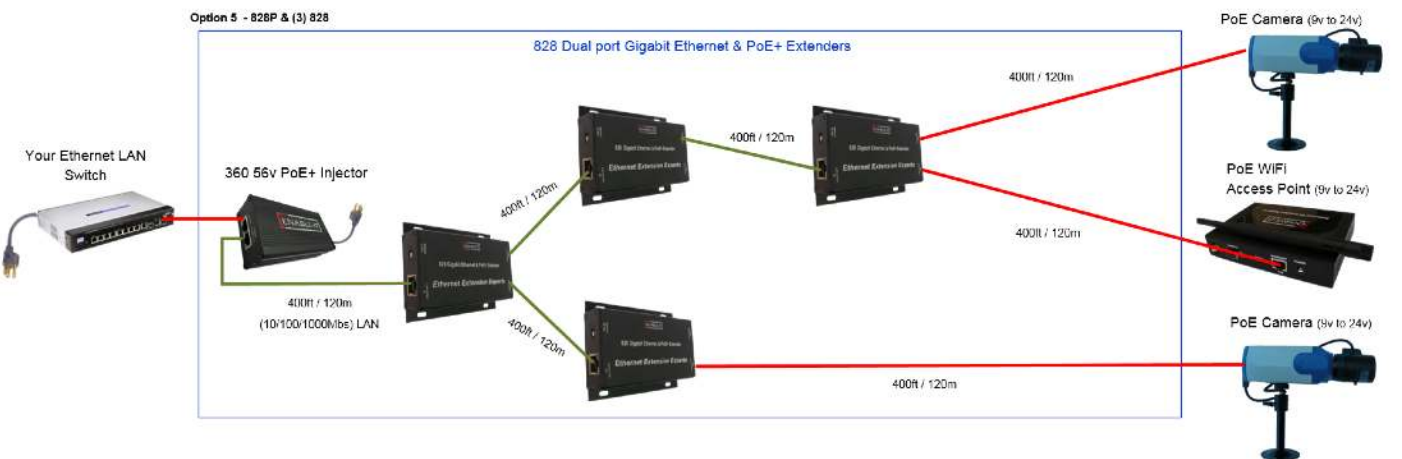
After removing the Enable-IT 828 Ethernet Extender Unit from the box, and performing the Out Of The Box Testing (OOTBT), all that remains to install the unit on-site is to mount the unit, attach the LAN cabling to your PoE Devices and the source PoE Injector.

**Mounting the Enable-IT 828 Ethernet Extender Units**

The Enable-IT 828 extended Ethernet solution is designed for quick wall mounting. Choose a location to mount each of the Enable-IT 828's where the maximum distance does not exceed 400ft or 121m from your PoE source and the end PoE device.

When wall-mounting the Enable-IT 828 unit it is recommended that you use the appropriate screw anchors for your mounting surface. If mounting on existing plywood use wood screws; if mounting onto drywall or sheetrock, use plastic drywall anchors to secure your installation.

If your extending your run using multiple 828 units, please see diagram below.



## TECHNICAL SUPPORT

Enable-IT, Inc.'s Customer Care Team support is available directly to customers and distributors. All support requests are processed through the online support portal. This allows us to provide assigned support ticket numbers in order to bring closure to any technical issues.

### Online Technical Services

The Enable-IT Support Portal is available 24/7 to open a ticket or check the status of one. Please use this support website as your first source for help as it contains an on-line knowledge base of articles, documentation, FAQ's and other problem-solving resources. This web-based support resource provides the quickest solution to the most common technical support issues.

### World Wide Web Site

<https://support.enableit.com>

### Returning Products for Warranty Repair

Enable-IT warrants to the original purchaser of the Product ("you" or the "End User") that, for the limited lifetime period commencing on the date the Product was purchased (the "Warranty Period"), the Product will be substantially free from defects in materials and workmanship under normal use and conditions. This warranty does not apply to Products, which are resold as used, repaired or reconditioned. **Electrical or water damage is not covered under this warranty, extended warranties or Advanced Replacement Program (AREP).**

In order to obtain an authorized RMA approval, the End User must complete the required information online located at <https://support.enableit.com>. If you have questions or difficulty completing this information you may contact the Customer Care Team at 888-309-0910 between the hours of 8:00 a.m. and 5:00 p.m. PT.

Please ship Authorized RMAs to:

RMA Warranty Repair Processing Facility  
16027 Brookhurst St, Suite G272  
Fountain Valley, CA 92708-1551

### Returning Products for Refund

Enable-IT, Inc. offers a generous 45-Day refund on a single Ethernet Extender Kit only, and is subject to a 15% Restocking Fee. Shipments without a valid or authorized RMA number, or sent to our corporate Las Vegas address, can be refused and / or billed for additional shipping.

# ENABLE-IT, INC. LIMITED WARRANTY

Enable-IT, Inc. warrants this described product solely pursuant to the following terms and conditions.

## 1. ENABLE-IT PRODUCT WARRANTY.

### a. Express Warranty.

Enable-IT warrants to the original purchaser of this described Product ("you" or the "End User") that, for the limited lifetime period commencing on the date the Product was purchased (the "Warranty Period"), the Product will be substantially free from defects in materials and workmanship under normal use and conditions. This warranty does not apply to Products, which are resold as used, repaired or reconditioned.

**Electrical or water damage are not covered under this warranty, extended warranties or Advanced Replacement Program (AREP).**

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In the event of a breach of the foregoing warranty, Enable-IT will, in its sole discretion and at its cost, and subject to the terms of the following paragraph, repair the non-conforming Product, replace the non-conforming Product with a new or reconditioned Product or refund the purchase price for the Product. Any new or reconditioned Product provided pursuant to this paragraph is warranted as provided herein for the remainder of the original Warranty Period. THE REMEDY SET FORTH IN THIS PARAGRAPH SHALL BE THE END USER'S SOLE AND EXCLUSIVE REMEDY FOR BREACH OF THE FOREGOING WARRANTY.

### c. Conditions for Warranty Qualification.

If authorized by Enable-IT to return a Product which does not conform to the warranty set forth above, the End User must: (1) obtain a return materials authorization (RMA) number from Enable-IT by contacting the Customer Service Dept. at 888-309-0910 between the hours of 7:00 a.m. and 5:00 p.m. PST and otherwise fully comply with Enable-IT's then-current RMA policy; (2) return the Product to Enable-IT in its original packaging freight pre-paid; and (3) provide to Enable-IT the original receipt or bill of sale establishing the date on which the Product was purchased. Products returned to Enable-IT without an RMA number will be returned to the End User. Enable-IT shall not be responsible for damage or loss during shipment of the returned Product to Enable-IT.

### d. Voiding of Warranty.

The express warranty set forth above shall not apply to failure of the Product if the Product has been subjected to: (i) physical abuse, misuse, improper installation, abnormal use, power failure or surge, or use not consistent with the operating instructions provided by Enable-IT; (ii) modification (including but not limited to opening the Product housing) or repair by any party in any manner other than as approved by Enable-IT in writing; (iii) fraud, tampering, unusual physical or electrical stress, unsuitable operating or physical conditions, negligence or accidents; (iv) removal or alteration of the Product serial number tag; (v) improper packaging of Product returns; or (vi) damage during shipment (other than during the original shipment of the Product to the End User from Enable-IT, if applicable).

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## Sales and Customer Care:

Toll Free US and Canada

888 309-0910  
866 389-8605 Fax

Other International

+1 702 924-0402  
+1 702 800-2711 Fax

E Mail

[sales@enableit.com](mailto:sales@enableit.com)  
[support@enableit.com](mailto:support@enableit.com)

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