# ENABLE-IT ETHERNET EXTENSION EXPERTS

Enable-IT 820 PRO Series Extended Ethernet Quickstart Guide

INSTALLING THE 820 PRO EXTENDED ETHERNET KIT

The Enable-IT 820 PRO Ethernet Extender kit can be used in one of three ways.   The 820 PRO unit will support POE pass-through and therefore you can add your own POE source into the unit and pass the POE power to the end device. Traditionally the 820 PRO is used and an Ethernet Bridge to extend your LAN up to 900ft / 275m away. The process below is for that method and if you wish to use your POE to add a POE end device, simply attach your POE input to the LAN in port of the 820 PRO.
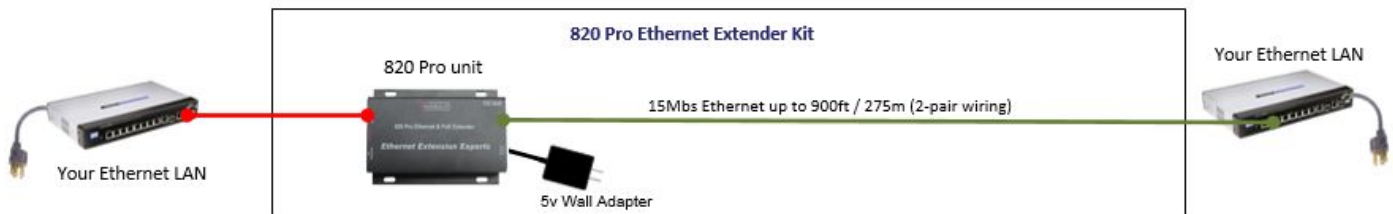
The Overview Diagram: This diagram shows the contents of the product box inside the rectangle. Devices outside the rectangle above are your equipment that can be attached.

We highly recommend a quick test to ensure the working order of your 820 PRO unit. To do this, please power on the 820 PRO unit using the 5v power adapter. Then connect your originating LAN device to the 820 PRO LAN IN port. Next, attach a LAN device to the Interlink Out port on the 820 PRO unit. Then power on your remote LAN device locally. The 820 PRO unit should now be powered up and passing LAN data.

Step 1 – Using one of the provided Ethernet patch cords, connect the 820 PRO via the LAN and POE in port to your source 10MB Ethernet LAN connection. Next use another Ethernet patch cord to attach a LAN device to the Interlink out port on the 820 PRO.

Step 2 - Next apply power through the 5V power adapter to the 820 PRO. The LED indicators on the 820 PRO will provide visual operational status.

LED indicators will provide visual operational status of the 820 PRO unit.

820 LAN & PoE IN – Slow yellow LED flashing indicates LAN connectivity. Flickering yellow LED indicates LAN traffic.

820 Interlink Out 5v Power – Solid green LED indicates that the 820 is powered on and Running.
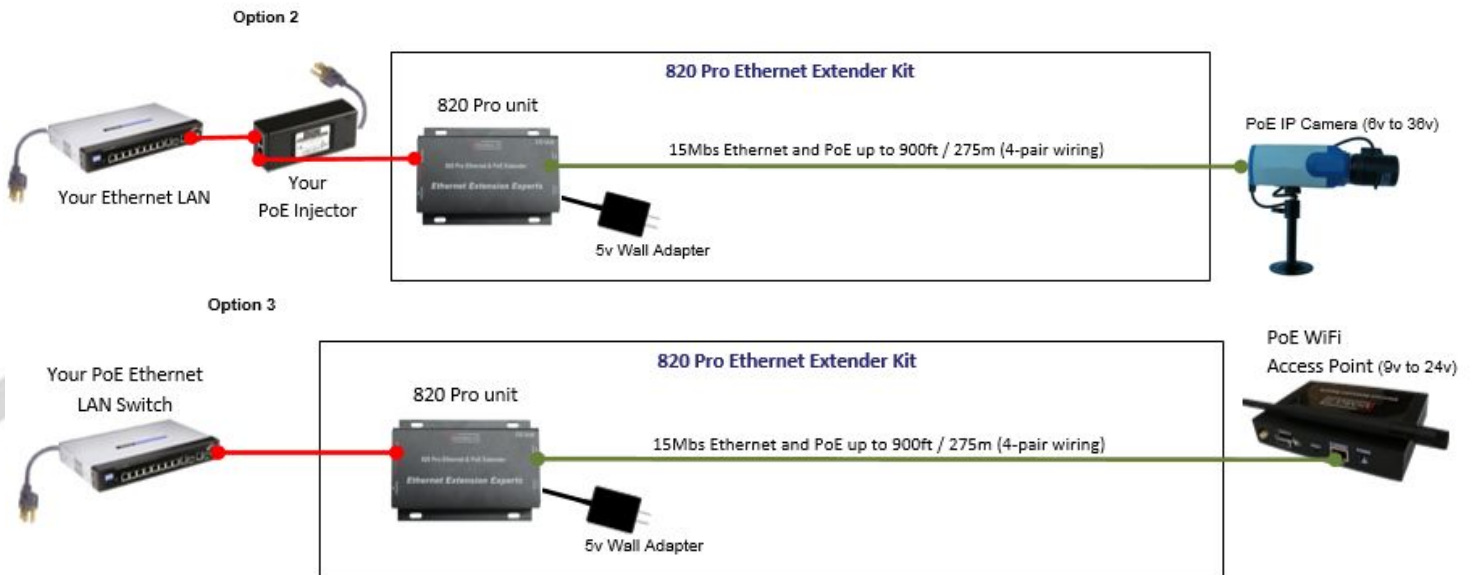
Network Configuration

In some instances, your Ethernet switch, desktop computer, laptop, WiFi Access Point, or any LAN device not mentioned may need to be configured for 10Mbps auto-sensing as the 820 PRO is a 10Mbps Ethernet switch. It may be the case that your Ethernet switch is not passing data through the 820 PRO to your remote LAN device, therefore setting the LAN configuration on your device to 10Mbps will allow it to recognize the 820 PRO switch settings.

Option 2 & 3 – Single line PoE pass-through / LAN Extension to your remote PoE device up to 900ft / 275m using your own 4 Pair 802.3af / 802.3at PoE Injector / Midspan

The 820 PRO can also be used to extend PoE pass-through to power on a remote PoE device using your own 4 Pair 802.3af or 802.3at Compliant PoE injector or midspan up to 900ft or 275m. Please do the following to ensure proper installation of your equipment:

To do this, please power on your 4 Pair, 802.3af / 802.3at PoE Injector/Midspan. Attach a patch cord from your LAN source to the PoE/Data IN port on the injector. Then run another patch cord from the PoE/Data OUT port to the LAN & PoE IN port on the 820 PRO unit. Next, attach a PoE LAN device to the Interlink Out port on the 820 PRO unit. The 820 PRO unit as well as your remote PoE device should now be powered up and running.

Option 2

820 Pro Ethernet Extender Kit

820 Pro unit

15Mbs Ethernet and PoE up to 900ft / 275m (4-pair wiring)

Your Ethernet LAN

Your PoE Injector

5v Wall Adapter

PoE IP Camera (6v to 36v)

Option 3

820 Pro Ethernet Extender Kit

820 Pro unit

15Mbs Ethernet and PoE up to 900ft / 275m (4-pair wiring)

Your PoE Ethernet LAN Switch

5v Wall Adapter

PoE WiFi Access Point (9v to 24v)

DIP Switch Settings: DIP switches 1 – 4:
Down (ON) - Enable PoE pass-through
UP (OFF) – Disable PoE pass-through

Default DIP Settings: DIP switches 1 – 4:
UP (OFF) PoE Disabled for Data only use
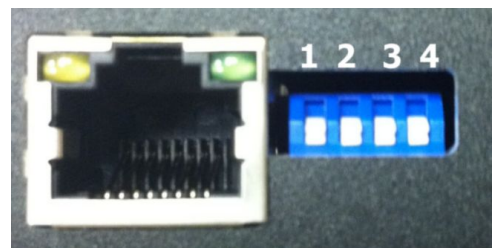
For installation at your desired location, keep in mind the following:
The backbone cable between the 820 PRO and your end device – RJ-45 Interlink port uses all 4-pairs of wire. (1,2,3 & 6 for data and 4,5,7 and 8 for PoE).

DO NOT INSERT ANY BLANK RJ-45 HEADS INTO ANY PORTS BEFORE CRIMPING – OTHERWISE YOU WILL RENDER THE PORT USELESS – BENT PINS

Attach RJ-45 Male heads to your existing wiring and follow the diagram below. For data only use pins 1, 2, 3 & 6. For Data and PoE use all pins. PoE uses pins 4, 5, 7 & 8
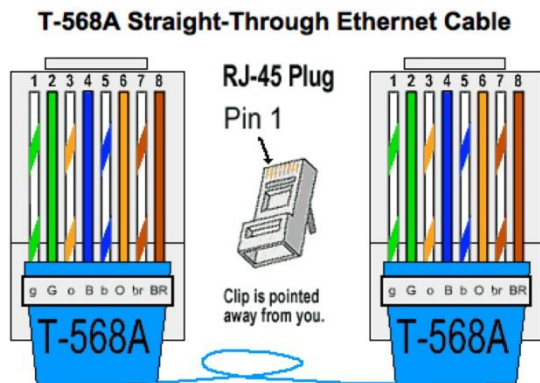
Unpacking the Enable-IT 820 PRO Extended Ethernet Kit

Carefully remove the Enable-IT 820 PRO Extended Ethernet Unit and all packing materials from the box. Verify that the items listed below are present. Make sure that the equipment supplied matches what you ordered. If any items are missing or damaged, please contact your Enable-IT or your distributor for assistance.

- (1) Enable-IT 820 PRO Extended Ethernet Unit
- (1) 5v Wall power
- (1) LAN Ethernet Patch Cord for end device attachment
- (1) Enable-IT Quickstart Guide (This document)

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

Returning Products for Warranty Repair

Enable-IT, Inc. warrants to the original purchaser of the Product ("you" or the "End User") that, for the four (4) year 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. **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 . 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
16600 Harbor Blvd, Suites H & I
Fountain Valley, CA 92708-1363

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 the Enable-IT 820 PRO kit solely pursuant to the following terms and conditions.

ENABLE-IT PRODUCT WARRANTY.

a. Express Warranty.
Enable-IT warrants to the original purchaser of the Product ("you" or the "End User") that, for the four (4) year 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, or consumables (such as batteries) supplied with the Product. **Electrical or water damage are not covered under this warranty, extended warranties or Advanced Replacement Program (AREP).**

Enable-IT does not make any warranty with respect to any third party product, software or accessory supplied with or used in connection with the Product and such third party products, software and accessories, if any, are provided "AS IS." Warranty claims related to such third party products, software and accessories must be made to the applicable third party manufacturer.

b. Remedies for Breach of Warranty.
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 8:00 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).

e. Warranty Disclaimers.

THE EXPRESS WARRANTY SET FORTH ABOVE IS IN LIEU OF ALL OTHER WARRANTIES, WHETHER WRITTEN, ORAL, EXPRESS OR IMPLIED. ENABLE-IT DISCLAIMS, TO THE MAXIMUM EXTENT PERMITTED BY LAW, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT OF THIRD PARTY RIGHTS. NO PERSON (INCLUDING WITHOUT LIMITATION, ENABLE-IT'S EMPLOYEES, AGENTS, RESELLERS, OEMS OR DISTRIBUTORS) IS AUTHORIZED TO MAKE ANY OTHER WARRANTY OR REPRESENTATION CONCERNING THE PRODUCT. IF THE DISCLAIMER OF ANY IMPLIED WARRANTY IS NOT PERMITTED BY LAW, THE DURATION OF ANY SUCH IMPLIED WARRANTY IS LIMITED TO ONE (1) YEAR FROM THE DATE OF PURCHASE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY MAY LAST, SO SUCH LIMITATIONS OR EXCLUSIONS MAY NOT APPLY. THIS WARRANTY GIVES THE END USER SPECIFIC LEGAL RIGHTS AND THE END USER MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM JURISDICTION TO JURISDICTION. ENABLE-IT DOES NOT WARRANT THAT THE OPERATION OF THE PRODUCT WILL BE UNINTERRUPTED OR ERROR FREE. ENABLE-IT IS NOT RESPONSIBLE FOR ANY DAMAGE TO OR LOSS OF ANY PROGRAMS, DATA, OR OTHER INFORMATION STORED ON OR TRANSMITTED USING THE PRODUCT.

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3. **LICENSE AND LIMITATIONS.**

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