



ETHERNET EXTENSION EXPERTS

Enable-IT 8955 - 8 Port Extended Gigabit Ethernet PoE DSLAM Quickstart Guide



INSTALLING THE 8955 ETHERNET PoE DSLAM - 8 PORT

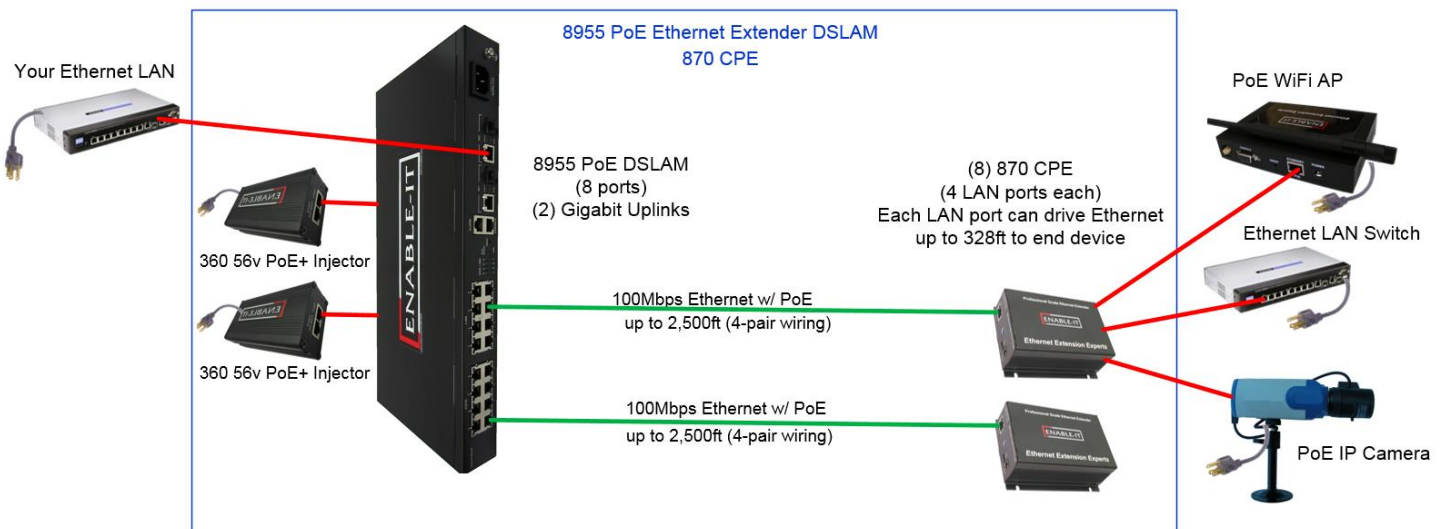
The Enable-IT 8955 Extended Gigabit Ethernet DSLAM is designed to deliver dedicated high speed Ethernet up to 3,5000ft (1.06km) over 2-pair wiring from 8955 to 870 PoE CPE. Therefore a site survey of the wiring and installation planning are highly recommended. For highest performance use CAT5e rated or higher spec for interlink wiring.

Perform an Out Of The Box Test (OOTBT)

We recommend that you perform a quick out of the box test to ensure the working order of your Enable-IT 8955 DSLAM and 870 CPE PoE Extender solution prior to installing. This will also serve to familiarize you with how easy the process should be. Using one of the Ethernet patch cords provided, attach it to LINE port 1 of the 8955 and the other end to a 870 CPE unit Interlink port.

Using the provided secure locking cables, attach them to the secure locking connector on the rear of the 8955. Connect other end of this secure locking cable (the RJ45 Male connector) to the provided 360 PoE Injectors. Power up both the 8955 and the 360 PoE injectors. The 870 CPE will automatically power up if connected correctly.

The Green Sync LED on the 870 CPE will start flickering slowly and then fast as the 8955 and 870 talk to each other. After a few seconds you should see a solid Green Interlink Sync LED on 870 CPE to confirm a link is established. This confirms basic proper operation of the solution. Next for a more detailed test and to confirm your LAN Equipment works with the 870 CPE connect your Ethernet LAN and remote device to the 870 CPE LAN ports and test connectivity. The Green Interlink Sync LED will pulse rapidly as it detects traffic.



870 CPE LED indicators will provide visual operational status of the 870 CPE connectivity.

Mode – Yellow Solid LED On = CPE unit

Sync – Green slow to fast flicker LED on power up – indicates negotiation of a link
 – Green solid LED indicates link established and rapid pulse is traffic

Lan/Act – Yellow LED

Off = No device attached or detected

On = Solid, indicates the presence of local LAN

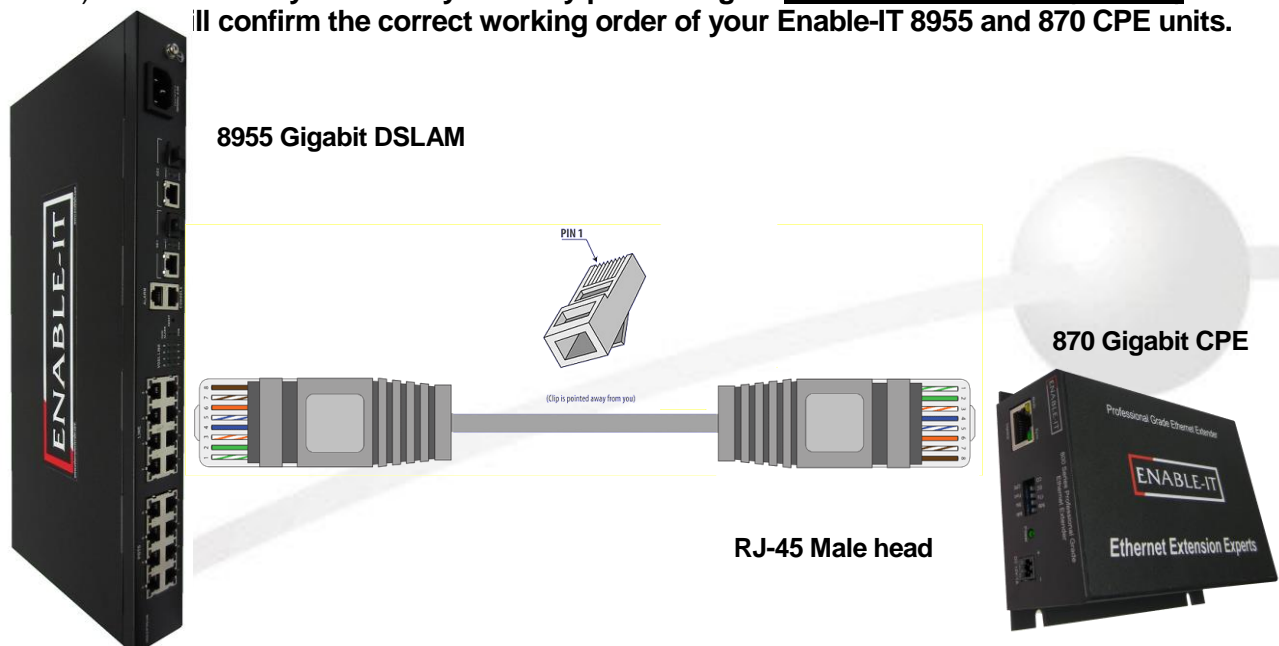
On = Blinking, indicates the presence of local LAN traffic

Power – Green Solid LED indicates the unit is receiving PoE power

Troubleshooting

First examine the 870 CPE wiring run and make sure you have solid connections. The 870 CPE should be receiving power and the Interlink Sync LED will be lit solid Green with rapid pulsing to show proper connection with the 8955. If the Interlink Sync LED Link is flashing slow to fast and never goes solid.... Then follow the steps below:

- 1) Make sure your wiring is straight through and not connected to any Telco punch down blocks; If so remove from the block and use Telco gel/butt clips to bridge wire. We recommend using Category rated cabling -
- 2) Check for a firm connection of the RJ-45 connections in each 870 CPE units, and power is applied to the 870 CPE units and 8955 DSLAM.
- 3) **You can easily isolate any issue by performing an Out Of The Box Test (OOTBT). This will confirm the correct working order of your Enable-IT 8955 and 870 CPE units.**





870 CPE Performance Settings (DIP Switch)

If you are experiencing performance issues with your Ethernet connection you may use the following DIP switch settings to adjust to your application. The 870 CPE can be controlled from the 8955 management web control for a centralized point for all 870 CPE.



- Switch 1: Always use in CPE Mode
CPE Mode – Down / On Position

- Switch 2: Error Correction Mode

Interleaved Error Correction Enabled – Up / Off Position – degrades performance

Fast Channel – Down / On Position (Default)

Interleaved Error Correction works better for file transfers, where the delivered data must be error free but latency incurred by the retransmission of error packets is acceptable. Fast channel is preferred for streaming multimedia, where an occasional dropped bit is not noticeable or acceptable.

- Switch 3: 17a (over 1,500ft) / 30a (under 1,500ft) Mode

17a Mode – Up / Off Position

17a mode is only used for Interlink runs over 1,500ft to 6,000ft.

30a Mode – Down / On Position (Default)

30a mode is only enabled for Interlink runs under 1,500ft.

- Switch 4: Signal-to-noise Noise Ratio (SNR)

9dB – Up / Off Position

6dB – Down / On Position (Default)

Signal-to-noise ratio is a measurement that refers to how much noise is in the output of a device, in relation to the signal level. If you experience issues of noise bleeding over the lines, or high interference in your environment, it is suggested that you switch to 6dB SNR. This may help clean up any noise bleeding over your cabling.

8955 Web Console

The 8955 Gigabit IP DSLAM allows users to manage and change its configurations with web browsers. Users are able to login the web management system with any standard web browser, such as, Internet Explorer, Firefox, etc.

Default IP Address: 192.168.0.100 Username: admin Password: admin

Note: Please make sure the IP address is correct once the IP of the management web site is changed. Please download the full 8955 manual here for detailed setup.

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.

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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 8955 solely pursuant to the following terms and conditions.

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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.

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