

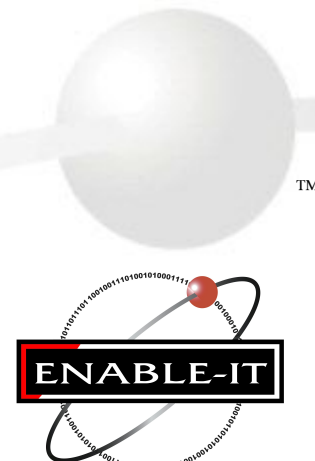


**ETHERNET EXTENSION EXPERTS™**

# Enable-IT 8935

## 1-Pair Extreme Reach Ethernet DSLAM

### Quickstart Guide



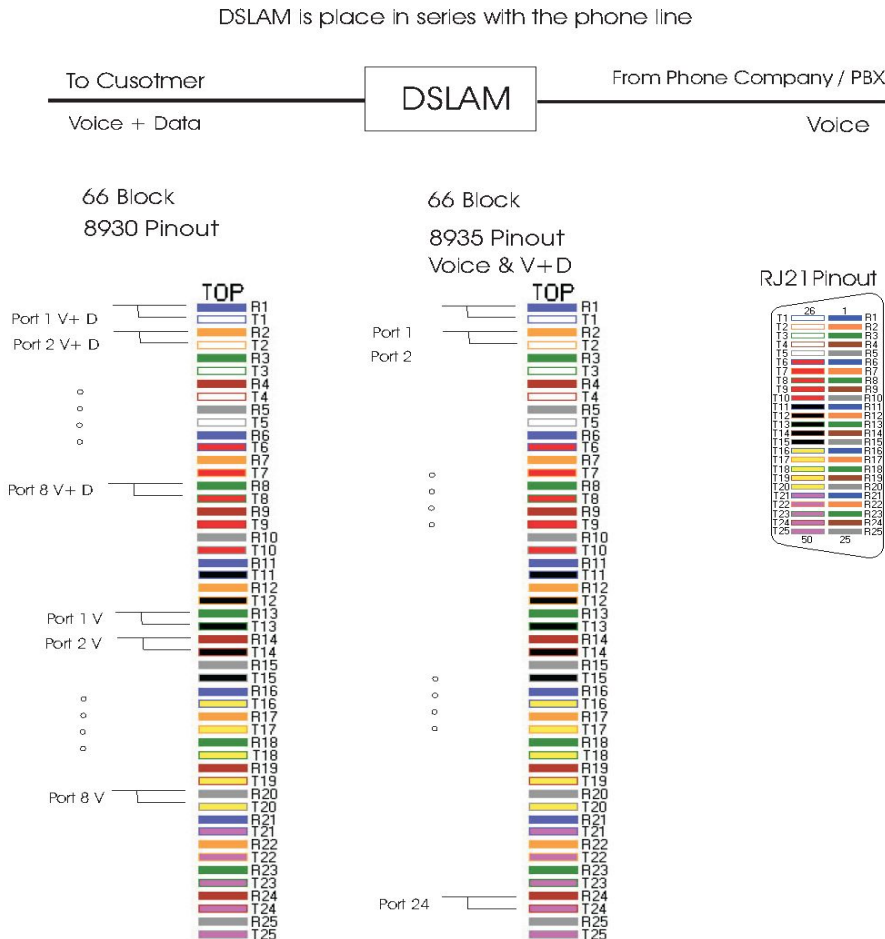
# INSTALLING THE 8935 EXTREME REACH ETHERNET CONCENTRATOR

The 8935 Rackmount Extreme Reach Ethernet Concentrator is a simple to install and deploy Extreme Reach Ethernet solution. The 8935 supports up to (24) 830 Extreme Reach Ethernet CPE units. Each 830 Extreme Reach Ethernet CPE has a maximum distance restriction of 22,500ft or 6.5km over telephone wiring or better from the 8935 Extreme Reach Ethernet Concentrator.

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

Locate the 8935 chassis and rackmount into your space selected. Attach a separate ground wire if applicable or desired. In some instances the rack maybe grounded and the mounting of the chassis into it will provide sufficient grounding. Connect the provided RJ-21 to the rear of the 8935 and other end to your Telephone Block.

Use a Telco standard telephone block with a RJ-21 50-pin (25-pair) connector or use the provided RJ-21 Cable and cut off one head and punch down following industry standard 25-pair color code. See following DSLAM diagram. Attach the country supplied power cord to the rear of the 8935 when ready to power up. We highly recommend testing (1) 830 Extreme Reach Ethernet CPE on each port of the 8935 Extreme Reach Ethernet concentrator prior to installing the 830 in each remote location. To do this, simply use the provided telephone patch cord to connect the 830 to your 8935 wiring block punchdown.



The out of the box default bridged configuration, the ADSL2+ router is transparent to the network. It bridges the ADSL line to the Ethernet line, making both sides appear as a single subnet. In this configuration, an IP address only needs to be provided to the PC. It may still be beneficial to provide an IP address to the ADSL router for management.

The Enable-IT 8935 is configured for immediate deployment and will allow for the connection into your telecom wiring infrastructure (RJ-21) 50-pin- 25pair block and the attachment of Enable-IT 830 CPE. The Enable-IT 8935 concentrator can be managed and configured to your custom IP LAN (if needed) through a web interface or serial port. Any PC configured with the same IP subnet as the default Enable-IT 8935, running a web browser can be attached to the 8935 LAN interface via an Ethernet crossover cable is able to manage and change the default configuration.

The default IP setting of the Enable-IT 8935 are as follows:

IP Address: 192.168.1.253

IP Subnet: 255.255.255.0 Login with admin pass:admin

Warning: There are many complex settings in the menu structure of the Enable-IT 8935 and should not be modified except for configuring your LAN IP Subnet scheme and DHCP Server (If you don't currently have one on your LAN). Otherwise the 8935 is plug and play.

You can also access the 8935 via the Console Port by applying a serial terminal directly connected with the following serial port parameters:

Terminal type – Autodetect or TTY.

Baud rate 115200

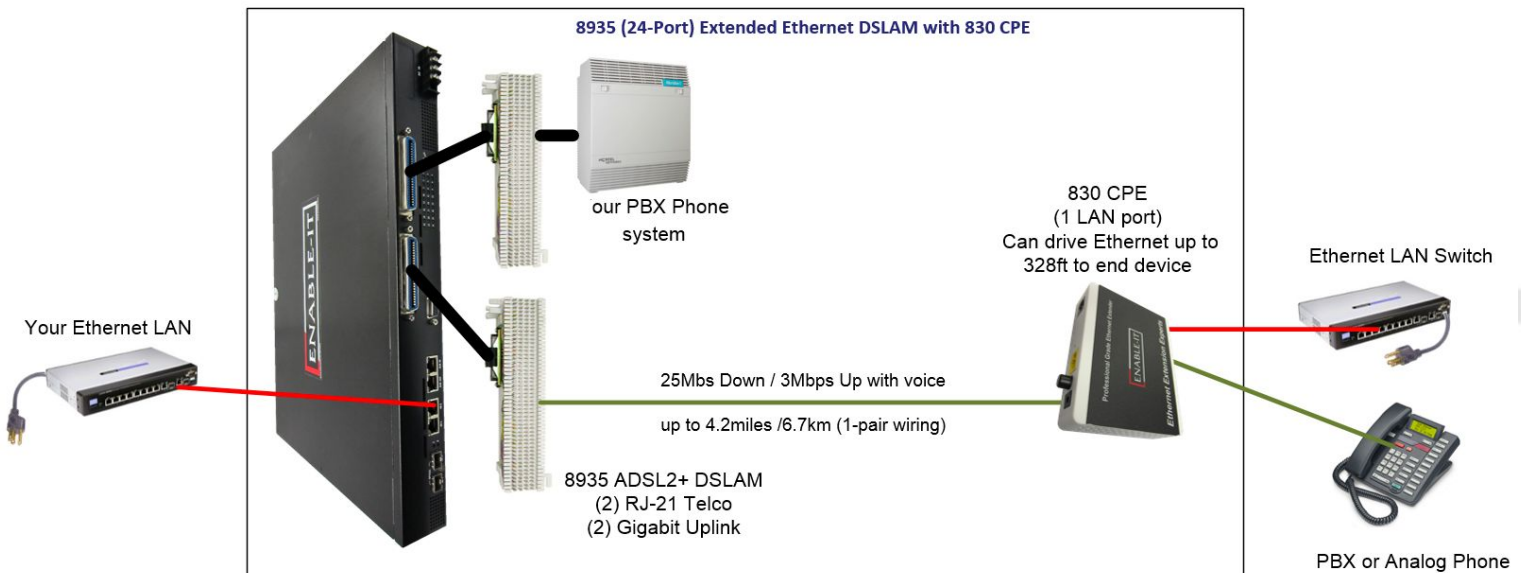
Data bits 8

Parity None

Start bits 1

Stop bits 1

Flow control None



## 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 damage is not an item that is 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:

Enable-IT Processing Facility  
16600 Harbor Blvd, Suite I  
Fountain Valley, CA 92708-1363

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Enable-IT, Inc. warrants the Enable-IT 8935 Ethernet DSLAM solely pursuant to the following terms and conditions.

### 1. 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 damage is not an item that is covered under this warranty or extended warranties.** 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



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