



# 8935 EXTREME REACH ETHERNET EXTENDER

**The Next Generation  
Broadband**

## Enable-IT 830 LRE CPE Modem



- **Voice**
- **Video**
- **Data**

**Extends Ethernet up  
to 22,000' or 6.5km**

**Small footprint for  
simple installation**

**Saves costs of re-  
wiring and expensive  
LAN equipment**

**Plug and Play  
installation allows  
rapid connectivity of  
your extended  
network**

**Supports up to 24  
separate runs and CPE**



The **Enable-IT 8935 Extreme Reach Extender** is an 24 port ADSL2+ DSLAM unit that provides a maximum downstream rate up to 24 Mbps and maximum reach distance over 6.5 Km to remote Enable-IT 830 Ethernet CPE.

The Enable-IT 8935 concentrator and 830 Ethernet modems are ideal for those seeking to run Ethernet communications at extreme distances without the use of expensive fiber transceivers or special wiring.

The 8935 concentrator and 830 modems use existing copper wiring (twisted pair or telephone lines) to provide high speed Ethernet communications and phone service together.

The Enable-IT 8935 is compliant with ITU Annex A, G.992.5, G.992.3, G.992.1, and features the multiple Link Status LED indicators in a front panel for easy diagnostics. This ADSL2+ technology is an enhanced version of the ADSL technology, which provides cross-talk free deployment.

### HIGHLIGHTS

- Extends Ethernet 65 times the IEEE specs for Ethernet communications distance limits
- Enables Ethernet connectivity to LAN's at a fraction of the previously costly options
- Broadband Transport for delivering Voice, Data, Video over CAT 3 or CAT 5e/6 cabling

### FEATURES & SPECIFICATIONS

#### Features:

- 19in Rackmount Concentrator  
Extends Ethernet signals 65x beyond the 100m specifications over 1-pair phone wiring (#24 AWG or better)
- Supports digital VoD channels
- 24 Mbps downstream service
- 1 Mbps upstream stream service
- CPE - 10/100 Ethernet interface
- CPE - POTS RJ-11 interface

#### 8935 Base Specifications:

LAN interface: (1) RJ-45 10/100

ADSL2+ interface: (1) RJ-21 (24 ports)

#### Dimensions:

Height: 1.75in or 1u

Length: 10"

Width: 19" rackmount

#### Functionality:

Max Distance 22,000ft / 6.5km

830 CPE Specifications

(1) RJ-45 LAN 100Mbps port

(1) RJ-21 POTS connector

#### Environment

Temperatures

Operating Temp:

0° to 50°C/32° to 122°F

Storage Temp:

25° to 60°C/-13° to 140°F

Humidity

5% to 95%, non-condensing

