



# 820 SUPER PoE ETHERNET EXTENDER KIT

The Next Generation  
Broadband



## Enable-IT 820 Series LRE Solution



- Voice
- Video
- Data

**Extends Full-Duplex Ethernet almost triple the typical reach of 328ft or 100m**

**Includes 350 48V PoE Injector with kit**

**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**

**Install PoE device up to 900ft away from power source with Ethernet.**

The Enable-IT™ 820 Super Power over Ethernet (PoE) Extenders are the world's only extenders to combine Voice, Ethernet and PoE all into one simple solution. These elegant units are ideal for installing any WiFi Wireless Access Point, Security camera or other PoE powered equipment. They solve the high costs associated with stretching your backbone with traditional fiber or a series of hubs/repeaters and power requirements for your equipment.

**This is the original Power over Ethernet (PoE) Ethernet Extender in existence today.** – Ideal for IP camera or WiFi WAP.

The 820 units are a pair of Ethernet line drivers that utilize existing Voice CAT2 Telco wiring or better that drives your Ethernet data, dual voice lines and Power Over Ethernet up to 900ft or 275m distance over a 4-Pair (8 wire) telephone line or CAT5 cabling. No power required at the remote end, No Firmware to upgrade or manage. These units are easy and rapid to install with plug and play RJ-45 Ethernet jacks to quickly insert your wiring and go.

The 820 Extended Ethernet Units meet the challenge of modern switched LANs and allows you to add features and capacity as your network expands. The 820 units have been tested to provide sustained full duplex transport up to 15MB/s over CAT3 cabling or better.

### FEATURES & SPECIFICATIONS

#### Features:

- Extends standard 10baseT Ethernet 175m beyond the 100m specifications over twisted pair wiring
- Supports digital VoD channels
- 15Mbps full-duplex service
- Single line RJ-45 Ethernet interface
- Dual line POTS RJ-11 interface
- MPEG over IP support

#### Specifications:

LAN interface: Single RJ-45 10/100

#### Dimensions:

Height: 5" (127mm)  
Depth: 1.5" (38mm)  
Width: 3" (76mm)

#### Functionality:

Data Rates 15Mbps Full Duplex

Max Distance 275m / 900ft  
Interfaces

- 820 Biscuit – (1) 15Mbps Ethernet
- (2) RJ-11 POTS

#### Environment

Temperatures

Operating Temp:

-13°F to 140°F (-25° to 60°C)

Storage Temp:

-13°F to 140°F (-25° to 60°C)

Humidity

5% to 90%, non-condensing

### HIGHLIGHTS

- Extends 15MB Ethernet more than twice the IEEE specs for Ethernet
- 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 5 cabling
- Can be used on all LAN devices including switches, routers, hubs, gateways and end nodes
- Mixed Digital Voice, Data, Video over existing telephone copper
- Rapid and Easy Installation

