



8950 ETHERNET EXTENSION DSLAM

Next Generation Broadband



850 4 port CPE



- Voice
- Video
- Data

Extends Full-Duplex 100Mbps Ethernet up to 12,000' or 3.6km

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



The Enable-IT 8950 Ethernet Extension DSLAM Concentrator is a 1-pair web smart manageable solution that drives Ethernet data and voice lines up to 8,000ft or 2.4km distance over a 1-Pair (2-wire) telephone line wiring or better.

The 8950 pushes Ethernet and dual voice simultaneously through existing telephone line to the 850 LRE CPE units. The 8950 aggregates its upstream and downstream bandwidth through a dedicated Gigabit port (either copper or GBIC fiber module) to your Ethernet switching equipment or routers. This Full duplex capability enables many Multi-Media services such as IPTV, VOD (Video on Demand), Voice over IP, and Video cameras - triple play support for any device. Each port on the 8950 supports 100MB full duplex to the remote (8) 850 LRE CPE units.

HIGHLIGHTS

- Extends 100Mbps Ethernet 24x the IEEE specs for Ethernet distance
- Enables Ethernet connectivity to LAN's at a fraction of the cost of fiber options
- Robust QoS - 2 priority queues for three type of Class of Service
 - Port-Based
 - IEEE 802.1p/q priority tag
 - TCP/IP header's TOS/DSCP
- Supports VLAN : Port-Based VLAN: up to 9 VLAN groups
 - IEEE 802.1Q Tagged Based VLAN: 4094 VLAN ID, up to 32 VLAN groups

FEATURES & SPECIFICATIONS

Features:

- Extends standard 100baseT Ethernet 24x beyond the 328ft or 100m limitation of twisted pair Ethernet over existing 1-pair phone wiring or better
- Supports digital VoD channels
- 100 Mbps full-duplex service
- CPE Quad RJ-45 100Mbps LAN ports
- MPEG over IP support

Specifications:

- (1) Rackmount 8950 Unit w/
- (8) Voice IN RJ11 Telco ports
- (8) Voice & Data RJ11 ports
- (2) 1000Mbps (Gigabit) uplink ports (either copper or GBIC fiber module)

Dimensions:

- Height: 1.73" (44mm)
- Depth: 6.75" (172mm)
- Width: 10.5" (267mm)

Functionality:

- Up to 700ft (200m) - 100Mbps
- 700ft (200m) to 1,350ft (400m) - 90Mbps
- 1,350ft (400m) to 1,970ft (600m) - 70Mbps
- 1,970ft (600m) to 2,625ft (800m) - 52Mbps
- 2,625ft (800m) to 3,280ft (1000m) - 42Mbps
- 3,300ft (1005m) to 6,000(1,828m) - 30Mbps
- 6,000ft(1,828m) to 8,000(2,440m) - 15Mbps

Max Distance 2.4km / 8,000ft

Interfaces

- 8950– (8) 100Mbps Ethernet RJ-11 OUT ports
- (8) RJ-11 phone IN ports

- 850 CPE – (4) 100Mbps Ethernet RJ-45 ports
- (1) RJ-11 Interlink port
- (1) 4 Position DIP Switch

Environment

Operating Temp:

-45° to 76°C/-49° to 168°F

Humidity

5% to 95%, non-condensing

