

## Model 2173



### Features

- **Ethernet Extension**—extends 10/100Base-TX Ethernet up to 1.3 Kilometres over a 2-wire Copper pair.
- **Re-uses existing cables** with data speeds over 100Mbps saving the cost and hassle of new cable or wireless installations.
- **Plug and Play**—Modems need no configuration to operate, Ethernet ports are auto-sensing 10/100, full or half duplex.
- **Multiple Line Rates Supported**—Switch-selectable line rates ensure best possible rate vs. reach combination.
- **Transparent LAN Bridging**—No network configuration. Will pass higher layer protocols, including 802.1Q VLAN tagged and untagged packets. Fully transparent to various UP video compression schemes such as WMV, MPEG-4 and MJPEG.

## Overview

The CopperLink™ Model 2173 High Speed Ethernet Extender leverages existing copper infrastructure to deliver high-speed Ethernet extension. Providing aggregate data rates up to 155 Mbps (upstream + downstream), the Model 2173 is the perfect solution for delivering triple-play communications services and other bandwidth-intensive applications. CopperLink™ Ethernet Extenders easily inter-connect remote devices or remote networks to a central LAN for such applications as medical imaging, video-conferencing, Ethernet bridging, Triple Play, and VoIP.

The Model 2173 includes an auto-rate adaptation feature providing the maximum achievable asymmetrical line rate based on environment and the length and gauge/type of cable. Asymmetrical line rates are the ideal solution for applications that require longer extension between their Ethernet devices and for applications that primarily involve high downstream requirements. These asymmetrical applications include high resolution IP video for security, medical imaging, livestock monitoring, underwater video, and internet gaming. Also included in the Model 2173 is the ability to configure the Ethernet Extender for a hard set 25-Mbps symmetrical line rate. Typical symmetrical applications include remote LAN extension, video teleconferencing, and data backhaul.

### Workgroup Ethernet Extension Application

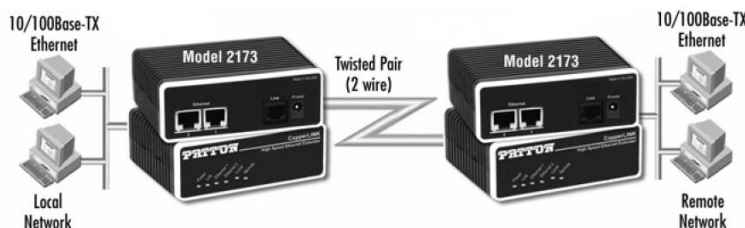
The Model 2173 dual port CopperLink Ethernet Extenders are ideal for delivering high speed IP video and data links to remote devices that are beyond the 328 foot (100 meter) distance limit of Ethernet. The high throughput eliminates bandwidth concerns previously experienced with many other copper based transmission technologies. By utilizing existing voice grade copper pairs, the expense and hassle of installing low capacitance or fibre cabling is no longer required.

Depicted below is a typical application involving multiple network enabled devices (Ethernet) plugged in for simultaneous Ethernet data and IP video delivery.



## IP Security Cameras

## Inter-Site Link



The pair of 2173 models work together to create a transparent extension between two peered Ethernet LANs.

## CopperLink™

For more information about **CopperLink™** products or to discuss a specific application please contact Saratota Ltd