CopperLink™
Managed Ethernet Extenders
CL2300

The CL2300 offers the best bandwidth and distance combination in the CopperLink product line. Speeds in excess of 22.8 Mbps symmetrical at distances of 2 miles are possible due to Patton's pair bonding which supports up to 4 individual twisted-pairs (8-wire) or just a singleCAT5 or higher rated cable.

Bandwidth Rich
Bond up to 4 twisted pairs to achieve the desired rate and reach.

1 Pair: **5.7 to 15.3 Mbps**
2 Pair: **11.4 to 30.6 Mbps**
3 Pair: **17.1 to 45.9 Mbps**
4 Pair: **22.8 to 61.2 Mbps**

Operates Over Twisted Pair or Cat5+
Near fiber speeds without the cost of new cable or fiber installations or the hassles of wireless line of site.

Connects Point to Point or to CL4324
The CL2300 can be used either back-to-back or with the Patton CopperLink Extended Reach Ethernet Switch.

Auto-Rate Adaptation Supported
Automatically selects the best rate vs. reach combination available on a per-wire basis.

VLAN Tagging
VLAN tagging and processing is configurable per Ethernet port.

Patton's CopperLink™ Model 2300 is a cost effective Ethernet Extender capable of achieving bandwidth rates of over 60 Mbps. The CL2300 is the ideal choice for providing internet access to bandwidth hungry small to medium size offices, wireless backhaul, Metro Ethernet, even LAN to LAN extensions.

The Model CL2300 is cable of bonding from 1 to 4 pairs to increase overall bandwidth. Each pair is capable of up to 5.7Mbps to 15.3 Mbps pending your distance requirements. The ability to configure pair bonding and various line rate modes allows service providers, integrators and business' to choose the best available rate vs. reach combination for the application.

The CL2300 supports defaults to plug and play mode which will allow the CopperLink Extenders to pair up automatically at the best rate achievable. Should a pair be faulty the CL2300 will automatically adjust the line rate to ensure the network connection remains stable.

In addition to offering all Patton's highly regarded CopperLink plug and play features, the managed CopperLink series adds a higher level of network control for the more demanding applications.

The network management port is securely protected. Stateful Firewall inspection of traffic, accomplished through the creation of Access Control Lists (ACLs), enables the filtering of traffic based on numerous criteria including source and destination IP address, port, connection state and protocol.

Logical and physical ports are selectable for bridging. Features such VLANs are configurable on a per port basis. Bridged traffic can be tagged and prioritized according to user defined parameters.

The CL2300 offers easy installation. The variety of configuration options include CLI via Console (RS232), Telnet, or SSH. Also included is HTTP web based management, and SNMP.

Patton's managed CopperLink series offer the versatility and reliability demanded for the most critical network applications at an affordable price.

Visit www.patton.com to view our huge selection of network extension products.

Compatible Patton CopperLink™ Models

**Ruggedized CL1314R & MDE**

Desktop 2 Wire CL1314

Desktop 2-8 Wire 2160

Multi-Port Switch (24 Ports) CL4324 *(Coming Soon!)*

PATTON
let's Connect!™
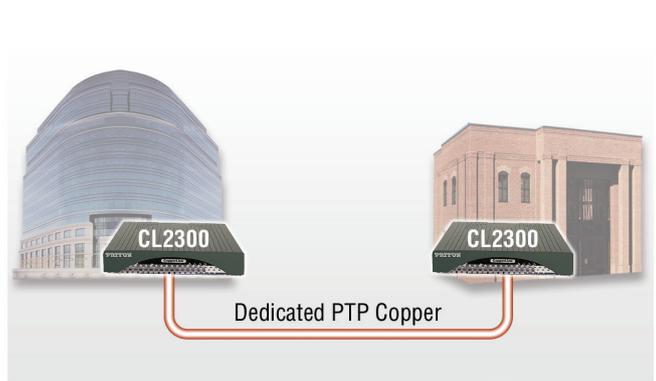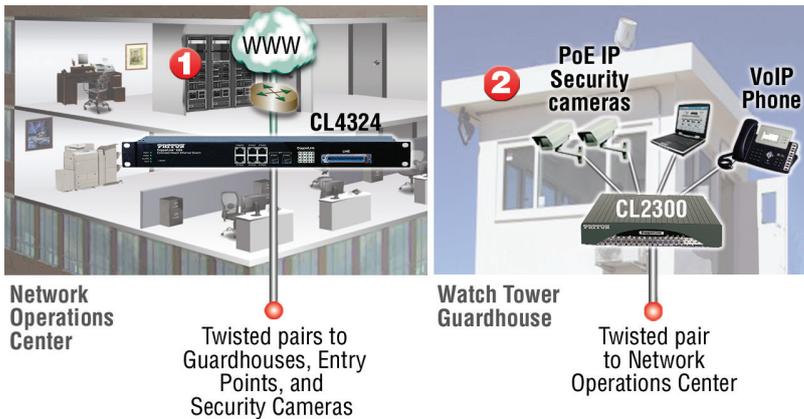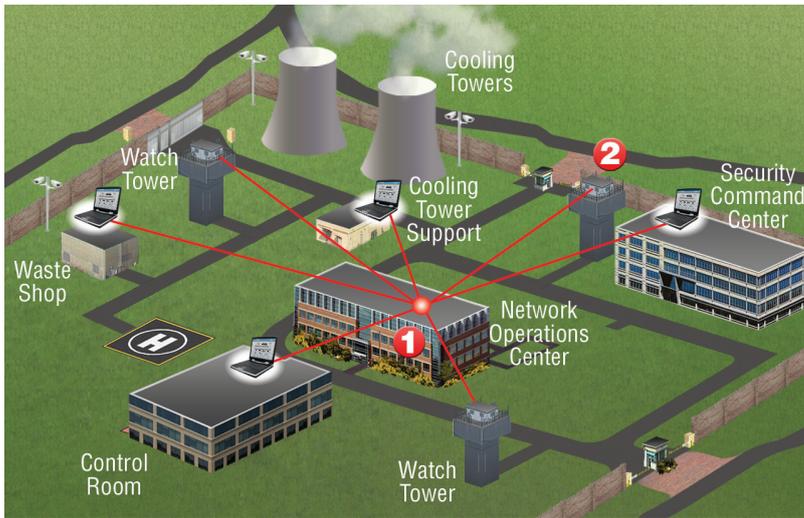
When interconnecting sites on a corporate campus, buildings and network devices often lie beyond reach of a standard Ethernet segment. Now, you can use existing copper network infrastructure to connect remote LANs or devices across longer distances and at higher speeds than previously thought possible.

Patton's CopperLink long range Ethernet Extender is the ideal solution for simple, cost-effective, high-speed campus LAN extension. Plug-'n'-play operation gets your network up-and-running in seconds. Providing four auto-sensing full/half duplex 10/100Base-T Ethernet ports—plus an integrated crossover switch for hassle-free system setup—the value of this Ethernet extender is unsurpassed.

Specifications

CopperLink

• Line Interface: RJ45 • TC-PAM line modulation 16/32 and 64/128 • Configurable as either remote or local • Rate negotiating/manually rate adaptation configuration • 2 to 8-wire mode auto-detect • Data rate selections: Up to N x 239 (5.7 Mbps) per pair

Ethernet Interface (x3) + PoE (Optional)

• 3x Auto-sensing 10/100 w/half or full duplex operation • 1 port 802.3af, PoE 13 Watts

USB 2.0 Interface (Optional)

USB 2.0 interface (optional) **Coming soon!**

Ethernet Protocols

• Transparent bridging (IEEE 802.1D) • VLAN based QOS (802.1P/Q) • ARP • DHCP Client/Server • DNS Server/Relay

Management

• HTTP • NTP • SNMPv1,v2 • SYSLOG Client • CLI (Telnet, SSH, Console Port) • TFTP-Firmware upgrade, import/export config

Monitoring

8 LEDs: Power, Link, Ethernet 1-4, Remote, Local

Power Supply

External AC:100 to 240 VAC or DC: -48, -24, or -12 VDC

Compliance

FCC Part 15A, CE Mark, EMC Directive 89/336/EEC, Low-Voltage Directive 73/23/EEC

Environment

Temperature: 0 to 50°C;

Humidity: 5 to 95%, non-condensing

Extended Temperature -40 to 85C available

Dimensions

7.3 x 6.6 x 1.62 in. (185 x 168 x 41 mm)

Weight

0.4 lbs (181 g)