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Model 2168

CopperLink 16.67-Mbps Multi-Rate Ethernet Extender

Multi-rate high speed Ethernet extension over voice-grade wiring



Features & Benefits

- Low cost/plug and play solution for campus wide network extension and extension of last-mile ISP services over Ethernet
- Extends Ethernet distances up to 1 mile over 2-wire 24 AWG unconditioned copper
- Switch selectable asymmetrical or symmetrical line rates up to 16.67 Mbps
- Auto-sensing 10Base-T or 100Base-TX
- Supports full or half-duplex Ethernet
- Transparent LAN bridging (Passes 802.1Q (VLAN) packets)
- Automatic learning, aging, & filtering source address table
- Stand alone and rack mount versions

Overview

The Patton Model 2168 Multi-Rate CopperLink Ethernet Extender enables the extension of existing copper infrastructure for high speed Ethernet extensions at data rates up to 16.67 Mbps. The 2168 includes seven asymmetrical and symmetrical settings that provide the flexibility to increase the distance or speed of the Ethernet connection.

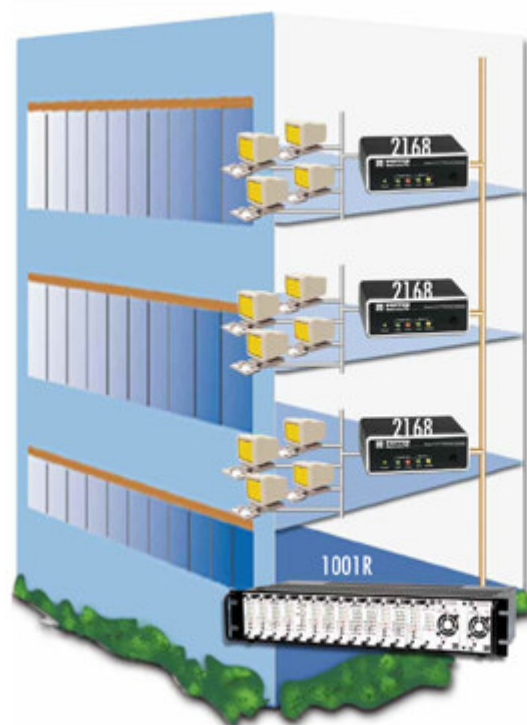
CopperLink applications include Ethernet extension, medical imaging, video-conferencing, Ethernet Bridging, and inter-connecting remote devices or remote networks to a central LAN. The multi-rate symmetrical line rates ensure the highest possible data rate is achieved over various lengths and types of copper wiring environments. Multi-rate asymmetrical line rates make the Model 2168 the ideal solution for service providers who want to differentiate their services or extend the reach of their customer base. The Model 2168 allows service providers to offer unparalleled

performance for such applications as always on Internet access, real time bi-video streaming, and various multimedia applications.

If you want to take your network and voice connections farther and faster over copper and eliminate the expense of fiber, Patton's CopperLink Ethernet Extender products are for you!

Just plug it in, power it on, and play!

Workgroup Ethernet extension application



Ethernet Extender allows copper instead of fiber for vertical Ethernet spans!

These multi-rate Ethernet Extenders are ideal bridging Ethernet spans inside buildings that beyond the 328-foot (100-meter) distance limit of Ethernet.

For example, connecting workgroups located different floors in a building no longer require expensive switches or the installation of capacitance cable.

Related Information

Data Sheets (PDF) -- Requires *Adobe Acrobat* to view

[Model 2168 Go Card](#)

[Model 2168 FAQs](#)

[Model 2168 Datasheet](#)

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Ordering Information

Multi-Rate CopperLink Ethernet Extender

2168/L/120: Local; 120 VAC

2168/R/120: Remote; 120 VAC

2168/L/UI*: Local; 100-240 VAC

2168/R/UI*: Remote; 100-240 VAC

Multi-Rate CopperLink Ethernet Extender Set (Remote and Local)

2168/120-2PK: 120 VAC

2168/UI-2PK*: 100 - 240 VAC

Multi-Rate CopperLink Ethernet Extender Rack Card**2168RC/L:** Local**2168RC/R:** Remote

* When ordering standalone units, it is recommended that the 2168 be ordered as a set: one 2168/L 2168/R (Remote). When ordering rack cards it is required that you match a standalone R (Remote) w rack card and if you order the standalone L (Local) you must match it with a R (Remote) rack card.

**You must specify a country specific power cord

Specifications

CopperLink Line Interface: RJ-45 or terminal block**Ethernet Interface:** Shielded RJ-45**POTS-ISDN Interface:** RJ-45 (pin 4=ring, pin5=tip)**Transmission:** Switch selectable asynchronous and synchronous line rates up to 16.67 Mbps**Surge suppression:** CopperLink 20kA (8/20ms) gas tube**Power Supply:** External AC: UI (100-240); DC: -48,-24, and -12; DC power supplies are optional**Dimensions:**

1.5H x 4.13W x 3.75D in.

3.81H x 10.5W x 9.53D cm)

Weight: 0.4lbs (0.18 kg) without power supply**7622 Rickenbacker Drive, Gaithersburg, MD 20879 USA**

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