

Overcome the distance limitations of Ethernet with the Patton Model 2168A CopperLink Ethernet Extender



Overview

The Patton Model 2168A Multi-Rate CopperLink Ethernet Extender enables the utilization of existing copper infrastructure for high speed Ethernet extensions at data rates up to 16.67 Mbps. The 2168A includes asymmetrical and symmetrical settings for increasing the distance or speed of the Ethernet connections. CopperLink applications include Ethernet extension, medical imaging, video-conferencing 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 wire and environments. Multi-rate asymmetrical line rates make the Model 2168A the ideal solution for service providers who want to differentiate their services or extend the reach of their customer base. The Model 2168A allows service providers to offer unparalleled performance for such applications as always on Internet access, real-time bi-directional video streaming, and various multimedia applications. If you want to take your network and voice connections farther and faster over existing copper and eliminate the expense of fibre, Patton's CopperLink Ethernet Extenders are the products for you! Just plug, power, and play!

Ethernet Extension

Extends 10/100 Base-T Ethernet distances up to 1 mile using 2-wire 24 AWG unconditioned lines

Seamlessly Connect and Extend the LAN

802.3 10/100Base-T LAN connection via built-in Shielded RJ-45 port

2-Wire Connection

Easy 2-wire CopperLink connection via built-in RJ-45 port or terminal block

Switch Selectable

Asymmetrical or Symmetrical line rates up to 16.67 Mbps!

Auto-sensing Full-Duplex Ethernet

Auto 10 or 100Base-T and full or half-duplex Ethernet operation

Transparent LAN Bridging

Passes higher layer protocols and supports 802.1Q VLAN tagging

Automatic Learning, Aging, and Filtering

Only allows packets with addresses outside the LAN to be forwarded

Workgroup Ethernet extension application



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

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

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





Link port offers RJ-45 and optional terminal block connections, for easy network connections

Auto-sensing 10 or 100Base-T, and full or half-duplex. Auto MDI-X for direct connection to PC or LAN

Front panel indicators show operational status at a glance



AC or DC power options

Installation is a snap with Plug & Play operation

CopperLink 2168A

Asymmetrical Line Rates		
Line Rates		Distance in ft (m)
Upstream (Mbps)	Downstream (Mbps)	
1.56	4.17	6,000 (1,829)
1.56	9.38	5,500 (1,676)
2.34	16.67	5,000 (1,524)

Symmetrical Line Rates		
Line Rates		Distance in ft (m)
Upstream (Mbps)	Downstream (Mbps)	
6.25	6.25	4,500 (1,372)
9.38	9.38	4,150 (1,265)
12.50	12.50	4,000 (1,220)
16.67	16.67	3,300 (1,006)

Specifications

CopperLink Line Interface: RJ-45 or terminal block

Ethernet Interface: Shielded RJ-45

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

Other CopperLink Extenders

CopperLink™ Ethernet Extenders			
Take your network connections faster and farther over existing voice-grade wire with Patton CopperLink™ Ethernet Extenders!			
Max. Distance	Max. Speed	Distance at Max. Speed	CopperLink™ Model
1 mile	50 Mbps	800 feet	Model 2172R
1 mile	50 Mbps	800 feet	Model 2172
1.1 miles	16.6 Mbps	3,125 feet	Model 2168
0.75 mile	12 Mbps	4,000 feet	Model 2158
5.7 miles	4.6 Mbps	2.0 miles	Model 2157R
5.7 miles	4.6 Mbps	2.0 miles	Model 2157
5.7 miles	2.3 Mbps	3.1 miles	Model 2156
5 miles	144 kbps	5 miles	Model 2155



Ordering Information

Email: sales@saratota.co.uk Tel: 0845 500 1451

Model #	Description
2168A/E-2PK	CopperLink Multi Rate 16 Mbps Ethernet Extender Kit (1 Local Unit and 1 Remote Unit); No power supply
2168A/EUI-2PK	CopperLink Multi Rate 16 Mbps Ethernet Extender Kit (1 Local Unit and 1 Remote Unit); with RJ45 Connectors only; 100-240VAC
2168A/TB45/EUI-2PK	CopperLink Multi Rate 16 Mbps Ethernet Extender Kit (1 Local Unit and 1 Remote Unit); Terminal Block Line side; 100-240VAC