

To All Patton Certified Channel Partners:

Patton Electronics is very pleased to announce our newest generation of high-speed Ethernet extenders in the CopperLink 1200 series, which now includes the [CL1211](#) and [CL1212](#).

The CopperLink™ CL1212 provides two (2) Ethernet ports for LAN connectivity and offers a selection of three (3) line interfaces: RJ45, terminal block, or coaxial (special order). While we expect initial shipments to begin at the end of September, these new CopperLink™ Ethernet extenders are **available for pre-order now**.



Features and Benefits

- **High Bandwidth**—Get reliable high-speed connectivity over single twisted pair with line rates up to 100Mbps and greater.
- **Fast Path Mode**—Non-blocking mode for delay sensitive, high-speed small packet, UDP applications.
- **Flexible Line Connections**—Choose the most convenient line interface for your application: RJ-45, Terminal Block, or Coaxial (special order)
- **Quick and Easy Configuration**—Use auto-rate mode to get up-and-running instantly, or use the dipswitch to select one of four user-configurable line rate profiles.
- **CopperLink™ Reliability**—With over 15 years of Ethernet extension experience, the reliability of Patton extenders is legendary.
- **Classic form factor**—The new CPE Patton enclosure can be placed on a desk or mounted on a wall or under a desk.
- **Made in the USA**—When you buy a CopperLink 1200 series product, you will be *not* getting a reference design consigned to the cheapest bidder and built overseas. Working together in our Gaithersburg, Maryland, facility, Patton's engineering and manufacturing teams take pride providing our customers the best possible product experience.

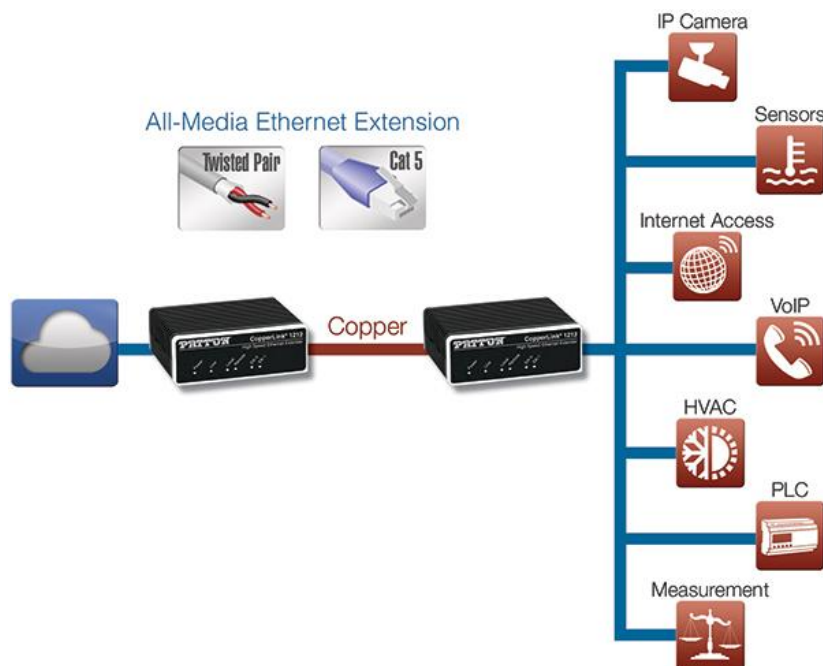
The Benefits of Ethernet Extenders

One benefit of Ethernet extenders is they can eliminate the need for installing expensive Switches and CAT5 cable. Copper-based Ethernet extenders can use ordinary phone-grade twisted-pair cables to transparently send packets at full-line rate to a peered LAN up to five miles away. While networks typically deploy Ethernet extenders within a limited geographical area, this area need not be restricted to a single building. Ethernet extenders can create effective bridged-Ethernet connections across streets or over a college or enterprise campus and between Ethernet LANs up to five miles apart.

Ethernet extenders are cost-effective alternatives to more complicated and pricey wiring installations such as CAT5 cable. Ethernet extenders are plug-and-play devices that you can install quickly to take advantage of existing copper twisted-pair network infrastructure. Depending on the required data rate, some Ethernet extender models can increase the distance of an Ethernet link extension beyond five miles.

Ethernet Extension (Point to Point)

Patton's CopperLink Auto-Rate Ethernet Extenders are the perfect fit for simple, cost-effective high speed Ethernet Extension. They allow customers to take advantage of the existing copper infrastructure to connect remote LAN's across distances and at speeds previously unthought-of. The auto-rate feature ensures the highest speed is achieved on each connection, and the plug-n-play operation ensures they are up and running in seconds. Add in the multiple auto-sensing full/half duplex 10/100Base-TX Ethernet ports with the integrated crossover switches to make setup even easier. The value of these Ethernet Extenders can't be beat!



CopperLink Product Comparison

HIGH SPEED	CL1214 (2174)		CL1212		CL1211	
Maximum Rate (Mbps) DS= Downstream US=Upstream	DS	US	DS	US	DS	US
	160	95	160	95	160	95
Distance at Maximum Rate	76 m (250ft)		76 m (250ft)		76 m (250ft)	
Maximum Distance	3km (10Kft)		3km (10Kft)		3km (10Kft)	
Rate Selectable	Auto or Dipswitch		Auto or Dipswitch		Auto or Dipswitch	
# of twisted pairs	1		1		1	
Optional Coaxial Line Interface	YES		YES (Special Order)		YES (Special Order)	
Optional Terminal Block Line Interface	YES		YES		YES	
# of Ethernet Ports	4		2		1	
Operating Temp	0-50°C; Optional -40-85°C (CL1214E)		0-50°C -40-85°C – PCB form factor available		0-50°C -40-85°C –PCB form factor available	

LONG REACH	CL1314	CL1314MDE	CL2300
Maximum Rate	5.7 Mbps	5.7 Mbps	60 Mbps (15.3 per pair)
Distance at Maximum Rate	2.74 km (9Kft)	2.74 km (9Kft) per hop/unit	1.4 km (4,750ft)
Maximum Distance	6.9 km (22.5Kft)	6.9 km (22.5Kft) Per hop	10.3 km (33Kft)
VLAN and QoS	NO (Transparent)	NO (Transparent)	YES
Rate Selectable	Dipswitch/Telnet	Dipswitch/Telnet	Auto/Web/Telnet
# of twisted pairs	1	1	1-4
# of Ethernet Ports	4	4	4
Operating Temp	0-50°C -40-85°C (CL1314R)	-40-85°C	0-50°C -40-85°C PCB form factor available

Pricing is included in the latest pricelist.

Please contact your [Regional Sales Director](#) for additional information.



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