

REALITY CHECK

application solutions for your world

Rockin' with CopperLink™ ... Patton Ethernet Extenders Keep a Celebrity Alive

For the ever-living "King" of popular music, Patton's "King of Ethernet Extenders," is the chosen network solution.

Down in Memphis the opulent former residence of a certain legendary rock-star is more than a mere tourist attraction. For many adoring fans this historic estate serves as a memorial shrine to the late celebrity (though some say he lives on). The mansion has become a museum, and devotees often make "The King's" former "castle" a destination for pilgrimage. With the advent of virtual technology, today's cyber-fans can even use the Internet to keep a watchful eye on the old home turf of their dearly departed idol.

Have you seen? For a monthly fee, members of the celebrity's online club, can go see today — live and real-time — what their hero used to see from his bedroom



Patton CopperLink™
"King of Ethernet Extenders"

window in Memphis, Tennessee. The web site features live shots from a web-enabled camera, aimed from the star's bedroom window at the estate front lawn. Yet things weren't always this way.

Beyond Reach. When the museum's network administrator first made plans to install the webcam in the mansion's bedroom window, he discovered it was beyond reach. The nearest Ethernet port on the Museum's LAN was more than 350 feet (107 meters) away. But the Ethernet technology limits the distance of each segment to 328 feet (100 meters) over standard CAT-5 cable. Distance, however, wasn't the only obstacle...



Celebrity
Memorial
Network

Existing Copper Twisted-Pair Cable
over 350 feet (107 meters)



Key benefits of CopperLink™ Ethernet Extender solutions

- ✓ **Reach beyond Ethernet distance limitations**
Break the 328-foot (100-meter) barrier of Ethernet
- ✓ **Avoid construction and cable runs**
No new wiring saves trouble, time & money
- ✓ **Leverage legacy wiring infrastructure**
Run Ethernet links over existing copper twisted-pairs
- ✓ **Cut system installation costs**
Avoid expensive upgrade to CAT-5 or fiber
- ✓ **Simple, flexible deployment**
Works anywhere you can access a twisted-pair
- ✓ **Easy to install & configure**
Plug it. Set it. Forget it.

Ripping up the former star's bedroom to install CAT-5 or fiber-optic cables was completely out of the question. Construction on the premises would break local residential zoning rules in addition to violating the memorial museum's policies. The technical team needed an innovative solution, one that could reach beyond Ethernet distance limitations while transcending the physical constraints of traditional Ethernet media. The network administrator considered deploying a wireless link. Yet testing showed electromagnetic interference from nearby older equipment would make the radio-frequency connection unacceptably unstable.

"Patton made it easy to connect a remote location to our network, which otherwise would have been difficult and costly."

Network Administrator

Along Comes Patton. Then the mail came. There was a flyer describing CopperLink™ Ethernet Extender from Patton. CopperLink™ solutions deliver Ethernet distances up to 6,000 feet (1,830 meters) and data rates up to 16 Mbps—over standard twisted-pair copper telephone cable. The network administrator knew Patton's CopperLink™ was the perfect solution for their system. Using CopperLink™ he could use the existing telephone wiring already installed through the mansion to create an Ethernet link to the webcam. Just plug each CopperLink™ into the nearest phone jack.

Making the Connection. The network administrator ordered his CopperLink™ two-pack from a Patton distributor, Bill Patton at DCE Express (www.dceexpress.com). Within days the new webcam was up and running.

Reaching Beyond. And so it is. Even though the star has ascended beyond the physical world, star worshippers in the cyber world can still view with adoration his virtual living lawn... all because Patton's CopperLink™ Ethernet Extender have reached beyond the physical limitations of Ethernet.

Patton's Ethernet Extender Solutions

CopperLink™ Copper Ethernet Extenders

Model 2172 1,000 feet (305 m) at 50 Mbps*	Model 2156 3.1 miles (5 km) at 2.3 Mbps*
Model 2168 3,125 feet (1.4 km) at 16.6 Mbps*	Model 2155 5 miles (8 km) at 144 kbps*
Model 2158 4,000 feet (1.2 km) at 12.5 Mbps*	Model 2157 2 miles (3.2 km) at 4.6 Mbps*

*Achievable distance at maximum speed.

FibreLink™ Fiber Ethernet Extenders

Model 1171M 1.2 miles (2 km) at 10 Mbps*
Model 1170M 1.2 miles (2 km) at 100 Mbps*
Model 1170S 18.6 miles (30 km) at 100 Mbps*

About Patton

Patton is a multi-national organization that manufactures voice and data-communications equipment for carrier, enterprise, and industrial networks worldwide. Incorporated in 1984, Patton markets a catalog of more than 500 products including **SmartNode™** VoIP solutions that support SIP, H.323, and MGCP for analog and ISDN telephony; **ForeFront™** multi-service access infrastructure solutions for TDM and IP service delivery (T1/E1, G.SHDSL, xDSL, dial-up); **IPLink™** CPE solutions for last-mile/local-loop access (WAN routers, modems, remote access servers, NTUs, CSU/DSUs); **CopperLink™** Ethernet Extender; **EtherBITS™** device servers; **EnviroNET™** NEMA4-compliant hardened networking equipment, and a full range of network-connectivity Micro-Products (interface converters, short-range modems, multiplexers, surge protectors). For more information or to request a free datacom catalog contact sales@patton.com.



Extending, Converting & Converging

For more information or to request a free datacom catalog, please contact:

Patton Electronics Company

7622 Rickenbacker Drive, Gaithersburg, MD 20879 USA

Tel: +1 301-975-1000 • Fax: +1 301-869-9293

www.patton.com