PoLRE® LPC Switch – Model PL-08

Beyond PoE: Delivering Power over Long Reach Ethernet

Phybridge

Why PoLRE?

The Phybridge **Power over Long Reach Ethernet** (PoLRE) LPC 8 port switch was designed specifically to enable small businesses and distributed enterprise with multiple locations to migrate to a hosted or premise based VoIP solution with confidence. The PoLRE LPC switch transforms the existing, proven reliable voice infrastructure into an IP path with Power ideal for IP Telephony. Every location has a similar point-to-point voice network design; the Phybridge switch innovation makes the migration experience repeatable, predictable and scalable, regardless of size or location. The Phybridge PoLRE switches have a proven track record of greatly reducing costs, risks and complexities while eliminating many of the compromises associated with layering voice on a data switch fabric. *Completely separate or fully converged - you're in control*.
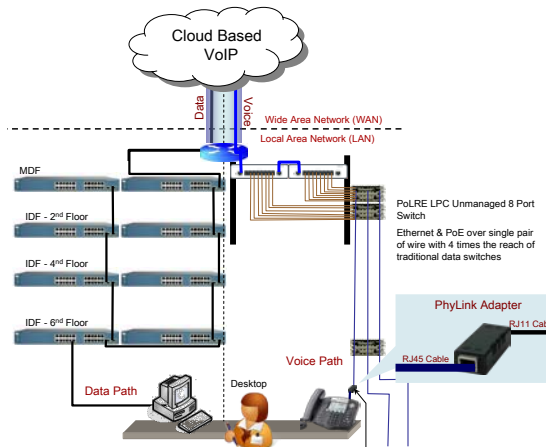
With a PoLRE backbone complementing the data switch fabric, you are guaranteed voice quality of service, voice continuity with no data LAN dependencies, and a highly-secure topology due to the physical separation of voice communications. Best of all, there is no need to replace the IP phone or power source when upgrading your data speeds to the desktop. The separate PoLRE backbone supports your bandwidth and power requirements today and into the future.

What is PoLRE?

The PoLRE switch innovation delivers Ethernet and Power over Ethernet over a single pair of wire with four times the reach of traditional switches. In addition to the PoLRE LPC Switch, Phybridge has a 24-Port and 48-Port fully-managed switch offering. From 5 users to 5,000 users, Phybridge can help optimize your LAN for IP Telephony and network convergence while supporting the best return on investment possible.

Quality of Service Guaranteed

Phybridge offers an industry leading QoS guarantee. We can do this with confidence because we leverage the existing, proven reliable point-to-point voice infrastructure to create a dedicated physical path for every IP phone, ensuring data traffic has no impact on the user's voice experience.
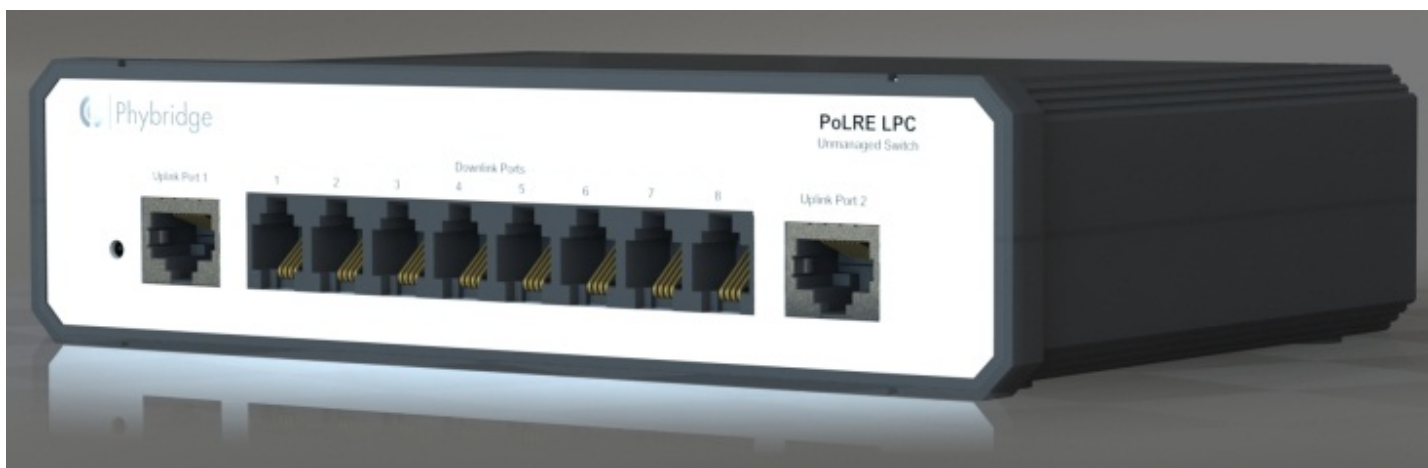
Highlight & Features

- **Highly resilient** and **robust** PoLRE switches have been designed from the ground up to meet the "five nines" high availability of service required in telephony. Solid and dependable, PoLRE switches are built to withstand tough operating environments.

- Leveraging your existing voice infrastructure makes **migrating to IP Telephony simple**, and the quick and **easy plug-and-play deployment** saves you time while minimizing network and business disruption.

- **Repeatable, Predictable, Scalable** deployment experience across every location.

- Point-to-point topology provides dedicated physical bandwidth for voice, **ensuring QoS and voice continuity** with no data LAN dependencies.

- **Simplify network management**. Physically separating voice traffic eliminates the complexities of managing constantly changing voice, video, and data traffic that share a single path.

- **Monitor, update and troubleshoot** switches in real-time with the Simple Network Manager, an easy-to-use and easy-to-learn tool.

- **Stackable** with two uplink ports.

PoLRE LPC Switch

PoLRE LPC Switch Technical Specifications: Model PL-08

Model	PL-08: Can drive up to 8 Adapters
Dimensions	4.5cm x 17.8cm x 12cm (HxWxD) 1.77" x 7.01" x 4.72" (HxWxD)
Weight	0.308 kg (0.679 lbs)
Interface: Ethernet uplink (Trunk IP)	2 RJ45 ports: 10/100 Base-T autosensing, independent speed selection, Ethernet IEEE 802.3, CAT5 copper cable
Interface: Downlink (PoE and IP to adapter)	8 x RJ11 Jacks Maximum distance: 1200' (365m) CAT3 UTP cable, 24 AWG Speed: 10Mb/s (full duplex) PoE power: 10 Watts
Power supply	48VDC
Power consumption	2.9W
Power injection (PoE)	48VDC Endpoint devices must be compliant with IEEE 802.3af
Operating temperature	-10° C to 45.5° C
Humidity	10% to 95% (non-condensing) at 35° C