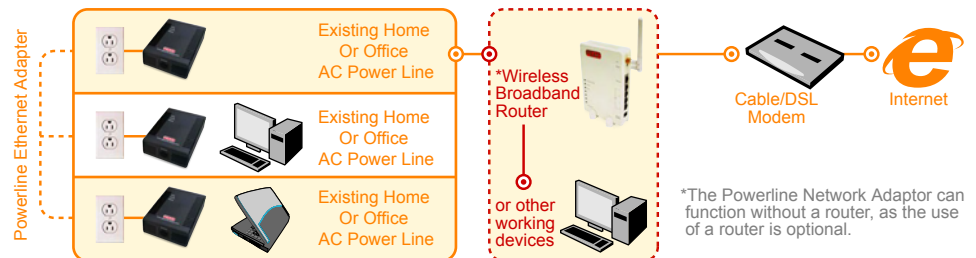


Tech News:  
Powerline Networking  
Technology



In this age of technology, we need to network to share our resources. From ultra-fast broadband to music collections, a simply yet reliable networking method is extremely important to us. Besides the wireless 802.11 b/a/g standards, there is another network topology emerging. It's fast, easy to set up, and most importantly, no need to drill holes in the wall or bend over to run Ethernet cables. It's called Powerline Networking Technology.

The idea behind Powerline Networking is fairly simple. Most of our houses and offices are pre-wired with electrical outlets. By using the existing electrical circuits, users can easily set up their home/office network and share valuable resources. Powerline Networking can co-exist with all current electronic equipment. Once the setup is complete, users can enjoy speeds of up to 85 Mbps for easy sharing of Internet, printers, documents, music, and movies.



The above diagram demonstrates the basic layout of Powerline Networking. As you can see, every device on the Powerline network requires a Powerline Ethernet Adaptor. For sharing Internet access, you'll need a router installed on the network. Once the setup has been completed, it functions and behaves just like a regular network.

The transfer speed of Powerline Networking has been increased dramatically. The first standard, HomePlug 1.0, only supports speeds up to 14Mbps. With HomePlug 1.0 Turbo, however, you can achieve transfer speeds up to 85 Mbps. The speed increase makes Powerline Networking a mainstream technology. Large multimedia files can be shared across the network without lag or delay.

All in all, Powerline Networking is an excellent networking alternative for those who don't want to mess around with Ethernet cables. It's fast enough for online music/movie streaming, and it doesn't require any technical background to set up the entire network. With careful planning, the entire project can be finished within 2~3 hours. We currently offer a Powerline Networking Kit which includes 2 Powerline Ethernet adaptors. For more information, visit our website at <http://www.peakhardware.com>

