



Turbo HomePlug to Wireless-G Access Point

The Turbo HomePlug to Wireless-G Access Point allows you to create or extend a wireless network using HomePlug power line communications technology. Using HomePlug as the network backbone, PWR-E-AP P can be placed at where a wireless signal is needed, rather than at the farthest corner of a wireless network. Multiple PWR-E-AP can be used to cover larger areas without increasing wireless radiation and with HomePlug communication technology as your backbone, no additional cabling will be required. Current wireless technologies require the use of multiple antennas or increased power output, however the fundamental problem remains: Wireless signals cannot pass through solid objects such as cement walls or building foundations. With PWR-E-AP P coverage is provided by sending data signals through the walls themselves via the power lines and then providing wireless connectivity in the room where it is needed. Data throughput is then significantly higher than boosting any antenna. With wireless throughput at 54Mbps and Turbo HomePlug at 85Mbps, wireless devices are guaranteed maximum signal and throughput.

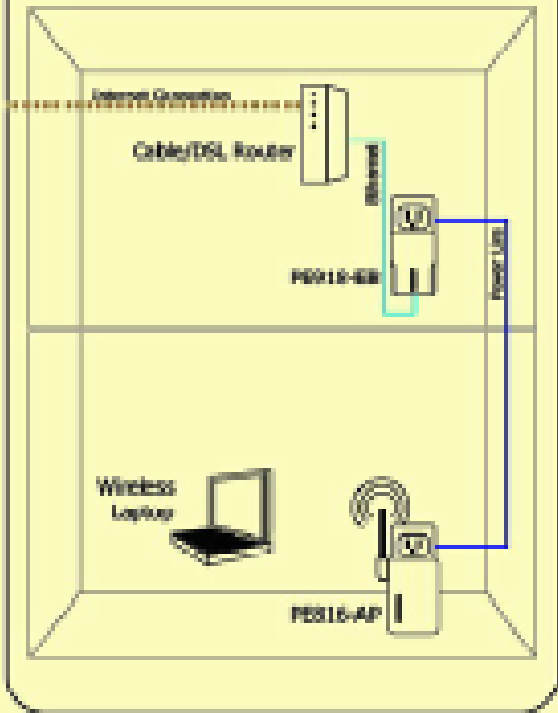


Specifications:

Wireless:

Standards	IEEE802.11B, IEEE802.11G, IEEE802.3, IEEE802.3u
Security	Supports 64-bit and 128-bit WEP / WPA / WPA 2 Encryption
Software	WEB based management and configuration
Interface	Wireless IEEE802.11b/g
Data Transfer Rate	1, 2, 5.5, 6, 9, 11, 12, 24, 36, 48, 54Mbps Auto Fall-back
Frequency Band	2.4GHz ~ 2.487 GHz ISM Band, DSSS
RF Output Power	CSK < 16dBm, OFDM < 13dBm
Receiver Sensitivity	802.11b - 88 dBm @ 5% 802.11g - 71 dBm @ 5%
Operation Mode	AP (Infrastructure)
Operation Range	30 to 280 meters (depends on surrounding)

Application:



HomePlug:

Standards	HomePlug 1.0 14Mbps / Intellon HomePlug Turbo 85Mbps
Security	56-bit DES Encryption
Software	HomePlug Configuration Tool for Microsoft Windows 98 SE, ME, 2000 and XP
Data Transfer Rate	14 / 85 Mbps
Certification	HomePlug Powerline Specification 1.0
Modulation Schemes	OFDM Symbol Modulation DQAM 256/64/16, QPSK, DPSK, ROBO Carrier Modulation
Frequency Band	4.3 ~ 20.9 Mhz
Additional Protocols	Forward Error Correction (FEC) / Automatic Channel Adaptation
Integrated QoS	Prioritized random access, contention-free access, and segment bursting
Operation Range	Estimated range of 300m in wall power lines

General:

Operating Temperature	0°C to 40°C ambient temperature
Storage Temperature	-20°C to 70°C ambient temperature
Humidity	5 to 80% maximum (non-condensing)
Power Supply	100 ~ 240V @ 50/60Hz Interval
Operating Temperature	0°C ~ 50°C
Housing	Plastic
Certifications	FCC Class B / CE Mark / HomePlug Certification