



# 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.

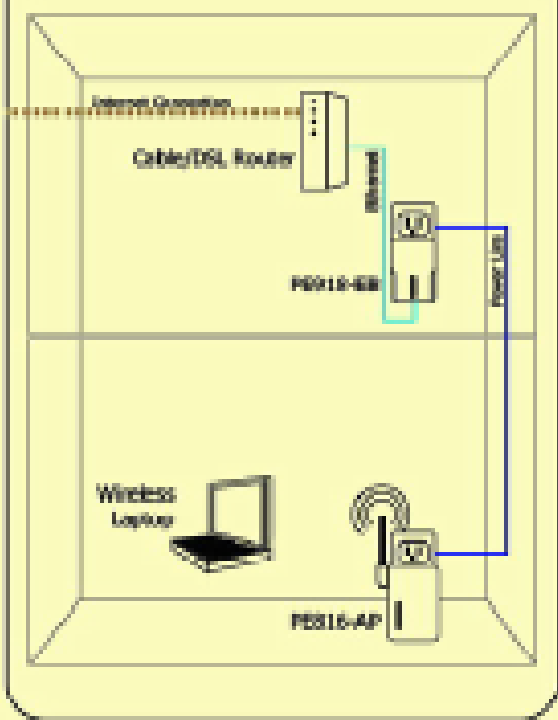


### Specifications:

#### Wireless:

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

#### Application:



#### HomePlug:

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

#### General:

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