



INTELLINET
NETWORK SOLUTIONS

BRINGING NETWORKS TO LIFE



HomePlug Turbo Wireless G Access Point

Use any of the electrical outlets in your home or office to eliminate dead spots in your wireless network.

Model
550215

The INTELLINET NETWORK SOLUTIONS™ HomePlug Turbo Wireless G Access Point allows you to eliminate wireless dead-zones in your home by using the AC power line to get around them. By communicating with a HomePlug Turbo Broadband Router,* the HomePlug Turbo Wireless G Access Point extends your wireless network to any room or area of your home. Place the HomePlug Turbo Wireless G Access Point in locations where you would like to use your wireless notebook or wireless desktop computers, and avoid the hassle and expense of running Cat5 network cable through the attic and the walls.

Easy to Install

Network your PCs and share the high-speed Internet connection using existing electrical outlets in your home or office. No need to drill holes in walls, pull cable through the attic or basement, or pay contractors to come and wire your home. Just plug the HomePlug Turbo Wireless G Access Point into the wall and you've turned your entire home or office into a network infrastructure. Attach multiple computers to the network by plugging them into additional HomePlug Ethernet Bridges* that you can plug into any of the other electrical outlets in your home or office.

High Performance

The HomePlug Turbo Wireless G Access Point complies with the HomePlug 1.0 Turbo standard, and provides a network connection speed of 85 Mbps. It automatically senses the speed of the router or computer device, and adjusts to accommodate 10 Mbps or 100 Mbps Ethernet devices.

Cost Effective

Because there is no special wiring required, the HomePlug Turbo Wireless Access Point can be installed with minimum expense. The four built in RJ-45 ports also allow you to turn any AC outlet into a four port LAN switch.

Secure

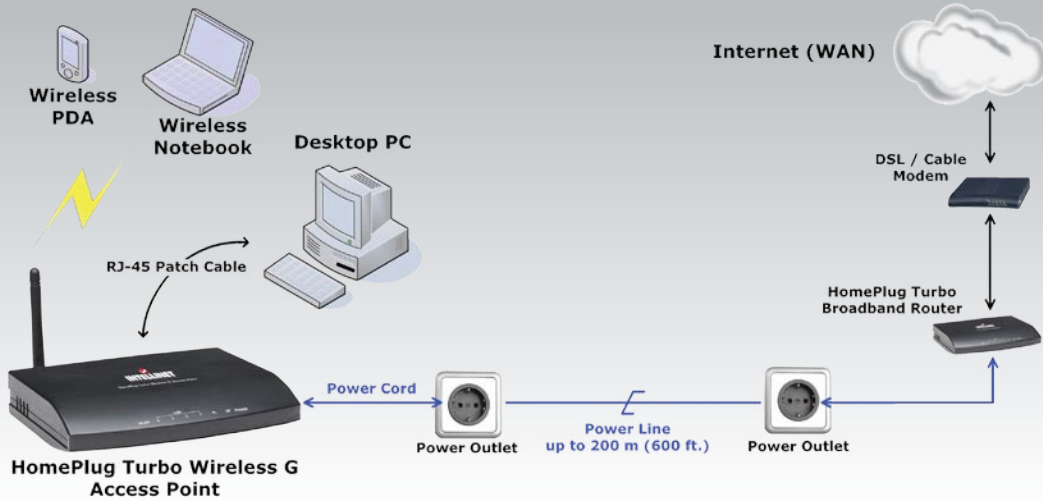
Just because your data is running through the AC power line network, don't think it isn't secure. The HomePlug Turbo Wireless G Access Point uses 56-bit encryption to protect your data as it is routed through the AC power lines in your home or office.

Lifetime Warranty

Strict manufacturing standards ensure the highest quality in all INTELLINET NETWORK SOLUTIONS products. All items carry a full Lifetime Warranty — the strongest quality commitment anyone can make.

* Contact your INTELLINET NETWORK SOLUTIONS reseller for ordering information





LIFETIME WARRANTY

Model 550215

Features

- Wireless G Access Point using the AC power line as the network backbone
- HomePlug 1.0 Turbo compliant, 85 Mbps link speed
- Integrated 10/100 Mbps LAN switch with Auto MID/MDI-X support
- Range up to 200 m over the power line
- Orthogonal frequency division multiplexing OFDM technology with patented signal processing techniques for high data reliability in noisy media conditions
- Compatible with all 802.11b & g wireless products
- Up to 5 times faster than 802.11b, 54 Mbps link speed
- Supports WEP, WPA/WPA2 data encryption and client access control
- Supports WEP, WPA (TKIP) and WPA2 (AES) data encryption
- Supports MAC filtering for wireless clients
- Automatic and manual channel selection and data rate auto-fallback
- Supports "Wireless g only," "Wireless b only" or "Wireless b+g" operation modes
- Easy installation through Web-based user interface
- Firmware updates via Web-based user interface
- Lifetime Warranty

Specifications

STANDARDS

- HomePlug 1.0 Turbo
- IEEE 802.11b (11 Mbps Wireless LAN)
- IEEE 802.11g (54 Mbps Wireless LAN)
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)

GENERAL

- LAN Ports: 4 RJ-45 10/100 Mbps data ports
- LAN Ports with Auto MDI/MDI-X
- Certifications: FCC Class B, CE Mark, RoHS

POWER LINE

- Link speed: up to 85 Mbps
- Effective throughput: up to 35 Mbps
- Chipset: Intellon 5500A
- Security: 56 bit DES link encryption
- Modulation technologies:
 - Orthogonal frequency division multiplexing OFDM
 - QAM 256/64/16, DQPSK, DBPSK and ROBO modulation schemes
- Distance support: Up to 200 m (600 ft.)

WIRELESS

- Chipset: Ralink 2561ST
- Wireless frequency range: 2.412 GHz - 2.484 GHz
- Modulation technologies:
 - 802.11b: Direct Sequence Spread Spectrum DSS: DBPSK, DQPSK, CCK
 - 802.11g: Orthogonal frequency division multiplexing OFDM: BPSK, QPSK, 16QAM, 64QAM
- Channels:
 - USA & Canada: 11 channels
 - Europe: 13 channels
 - Japan: 14 channels
- Data rates:
 - IEEE 802.11b (11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps)
 - IEEE 802.11g (54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps)

- Antenna: Single dipole antenna, 4 dBi gain
- Output power:
 - OFDM: 17 dBm +/- 2 dBm (54 Mbps, 50 mW max.)
 - CCK: 17 dBm +/- 2 dBm (11 Mbps, 50 mW max.)
- Receiver sensitivity: -75 dBm (54 Mbps), -88 dBm (11 Mbps)
- Maximum coverage distance: 100 m / 300 ft. (indoor), 200 m / 600 ft. (outdoor)
- Wireless security:
 - WEP encryption (64/128 bit)
 - WPA (TKIP), WPA2 (AES)
 - Client access control through Media Access Control (MAC) filter

LEDS

- Power
- OP (Operational status)
- Power line Link/Act
- Wireless Link/Act
- LAN 1-4 Link/Act

ENVIRONMENTAL

- Dimensions: 160 (W) x 140 (L) x 33 (H) mm (5 x 3.5 x 1.1 in.)
- Weight: 700 g (1.5 lbs.)
- Operating temperature: 0° to 55°C (32° to 131°F)
- Operating humidity: 10% to 95% RH, non-condensing
- Storage temperature: 0° to 65°C (0° to 149°F)

POWER

- Via 110/220 V AC power outlet

PACKAGE CONTENTS

- HomePlug Turbo Wireless G Access Point
- User manual
- Power cord
- Ethernet Cat5 RJ-45 cable, 2 m (6 ft.)

For more information on INTELLINET NETWORK SOLUTIONS products, consult your local dealer or visit www.intellinet-network.com.


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