High Power Wireless G Access Point

Using the PoE support, place this wireless access point in locations where AC power is not available.

The INTELLINET NETWORK SOLUTIONS™ High Power Wireless G Access Point features a powerful 23 dBm level of output power that provides you with a strong wireless connection for optimum network performance. And for advanced installations, the High Power Wireless G Access Point has an integrated Power over Ethernet (PoE) port that allows you to install the device in locations where AC power may not be available.

Power over Ethernet Port
The High Power Wireless G Access Point comes with a PoE PD port. This port can be used to power the device from a PoE-compliant LAN switch, which is very convenient in situations where AC power is not readily available.

Powerful Wireless Signal
Because the High Power Wireless G Access Point outputs 23 dBm of power used to transmit the wireless signal, you can use it to improve the quality of your wireless network. Many other wireless access points are typically designed to provide less than 20 dBm. And you also have the option of replacing the detachable 2 dBi antenna with a high-gain antenna, boosting your signal even more.*
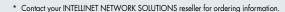
Secure Communications
The High Power Wireless G Access Point provides maximum wireless security by supporting 802.1x user authentication. Other security features included in this access point are MAC address filtering, wireless LAN segmentation, disable SSID broadcast and support for Advanced Encryption Standard (AES) encryption.
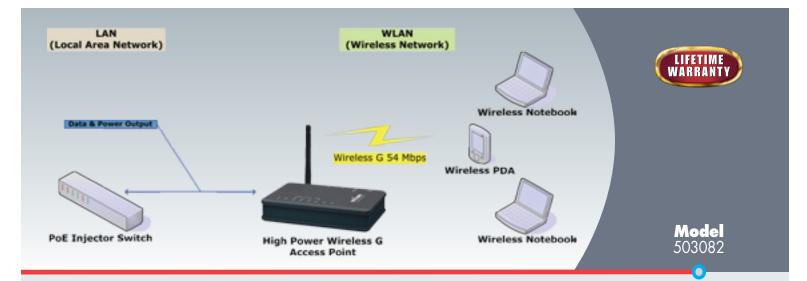
Flexibility
This access point can be configured in any one of five modes: 1) Access Point (AP), 2) Point-to-Point (PtP), 3) Point-to-Multipoint (PtMP), 4) Repeater or 5) AP Client. This allows you to standardize on the products you use in your network, even though they may be used in slightly different applications. It even comes with an extra Ethernet port that you can use to daisy chain multiple access points, allowing you to install multiple access points using only one port on your LAN switch.

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

LAN
(Local Area Network)

WLAN
(Wireless Network)

LIFETIME
WARRANTY

Data & Power Output

Wireless Notebook

Wireless G 54 Mbps

Wireless PDA

PoE Injector Switch

High Power Wireless G
Access Point

Wireless Notebook

Features

- IEEE 802.3af-compliant PoE-powered device with one PoE (PD) port
- Strong 23 dBm output power rating
- Two LAN ports (PD port plus Ethernet port to cascade access points)
- Supports Wireless Distribution System (WDS), Bridging, Client and Repeater modes
- Supports WEP, WPA/WPA2 data encryption and client access control
- Supports WEP, WPA (TKIP/AES) and WPA2 (AES/mixed) data encryption
- Supports MAC filtering for wireless clients
- Supports IAPP (Inter-Access Point Protocol) for wireless access point interoperability
- Adjustable TX output power and data rate
- Automatic and manual channel selection and data rate auto-fallback
- Up to five times faster than 802.11b; 54 Mbps link speed
- Compatible with all 802.11b & g wireless products
- Supports Wireless g Only, Wireless b Only or Wireless b + g operation modes
- Acts as DHCP server or DHCP client
- Web-based management with wireless site survey
- Firmware updates via Web-based management
- System log via Web-based management
- Lifetime Warranty

Specifications

STANDARDS
- IEEE 802.11b (11 Mbps Wireless Lan)
- IEEE 802.11g (54 Mbps Wireless Lan)
- IEEE 802.11f (Inter-Access Point Protocol, or IAPP)
- IEEE 802.1x (Network Access Control)
- IEEE 802.1d (Spanning Tree)
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3af (Power over Ethernet)

GENERAL
- Wireless frequency range: 2.412 – 2.484 GHz
- Modulation technologies:
  - 802.11b: Direct Sequence Spread Spectrum (PBCC, CCK, DQPSK, DBPSK)
  - 802.11g: Orthogonal Frequency Division Multiplexing
- Channels: USA and Canada, 11; Europe, 13; Japan, 14
- 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 detachable dipole antenna with RP-SMA connector, 2 dBi gain
- Output power:
  - OFDM: 23 dBm +/- 0.5 dBm (54 Mbps, 200 mW max.)
  - CCK: 23 dBm +/- 0.5 dBm (11 Mbps, 200 mW max.)
- Output power settings: Highest, High, Medium, Low, Lowest
- Receiver sensitivity: -68 dBm (54 Mbps); -85 dBm (11 Mbps)
- Maximum coverage distance: 100 m / 300 ft. (indoor), 300 m / 900 ft. (outdoor)
- Wireless security:
  - WEP encryption (64/128 bit)
  - WPA (TKIP/AES), WPA2 (AES/mixed)
  - IEEE 802.1x Radius client with EAP-TLS authentication
  - Client access control through media access control (MAC) filter
- Wireless modes:
  - Access Point
  - WDS Repeater
  - WDS Bridge
  - AP Client (Infrastructure + Ad-hoc)
- LAN ports:
  - 1 RJ-45 10/100 Mbps data port
  - 1 RJ-45 10/100 Mbps data and power input port (PD port)
- Certifications: FCC Class B, CE Mark, RoHS

LEDS
- Power
- Status
- Wireless Link/Act
- WEP/WPA2
- MAC Ctrl
- Bridge
- LAN 1 Link/Act
- LAN 2 Link/Act

ENVIRONMENTAL
- Dimensions: 128 (W) x 89 (L) x 27 (H) mm (5 x 3.5 x 1.1 in.)
- Weight: 165 g (5.8 lbs.)
- Operating temperature: -5 – 55°C (23 – 131°F)
- Operating humidity: 10 – 90% RH, non-condensing
- Storage temperature: -20 – 70°C (-4 – 158°F)

POWER
- External power adapter: 12 V DC, 1.0 A
- Via PoE PD port: 48 V, 0.2 A

PACKAGE CONTENTS
- High Power Wireless G Access Point
- Power adapter
- Wall mounting hardware
- One 2 dBi detachable dipole antenna with RP-SMA connector
- User manual
- Network cable: 91 cm (36 in.)
- Stand for optional upright installation

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

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