

# 802.11g wireless access point



## WIRELESS FUTURE

Experience flexible and secure wireless connectivity with the feature-packed Wireless Access Point (NXA-WAP200G) from AMX. The WAP is fully compatible with the IEEE 802.11b (2.4GHz) frequency band and forward compatible with 802.11g for future expandability of new and existing wireless networks. It supports a limitless number of AMX Modero® Touch Panels and provides a wide coverage area and long range.

## FREEDOM

Set up a simple all-wireless network or establish a wireless extension of the existing wired Ethernet network, in both residential and commercial applications. The WAP is designed to create fast, flexible and highly secure wireless networks without the expense or hassle of installing cables. The WAP's Power over Ethernet feature eliminates the need for an electrical outlet, increasing deployment options and the speed of installation while reducing the overall cost.

## SIMPLICITY

The WAP can be installed, configured, and activated in a matter of moments. No special software or complicated programming is necessary. Installation of the WAP for residential and business environments requires only a few easy-to-follow steps.

## SECURITY

Fortify your wireless network and maximize end-user privacy. The WAP incorporates standard 64-bit and 128-bit WEP encryption, WPA and 802.1x authentication via a remote RADIUS server.



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NXA-WAP200G (FG2255-01)

## DIMENSIONS (HWD)

- Antenna fully lowered: 1.34" x 5.04" x 4.29"  
(34mm x 128mm x 109mm)
- Antenna fully raised: 3.94" x 5.04" x 4.29"  
(100mm x 128mm x 109mm)

## WEIGHT

- 0.53lbs (0.24kg)

## POWER

- 5.4V

## RADIO SPECIFICATIONS

- WLAN standards:
  - IEEE 802.11/11b Industry standards
  - IEEE 802.11g draft standards
- Media Access Protocol
  - IEEE 802.11
- Frequency
  - 2.4 - 2.4835 GHz (Industrial Scientific Medical Band)
- Operating Channels
  - 11b Mode:
    - 11 Channels (USA, Canada)
    - 13 Channels (Europe)
    - 14 Channels (Japan)
  - 11g Mode:
    - 11 Channels (USA, Canada)
    - 13 Channels (Europe, Japan)
- Data Rate Shifting
  - 1, 2, 5.5, 6, 9, 11, 12, 24, 36, 48, 54 Mbps
- Modulation Technique
  - CCK for 11b mode (1, 2, 5.5, 11 Mbps)
  - OFDM for 11g mode (6, 9, 12, 24, 36, 48, 54 Mbps)
- Security
  - 64-bit & 128-bit WEP Encryption
  - 64-bit & 128-bit WPA Encryption
  - 802.1x Pass Through
- Outdoor Power
  - 15 dBm @ 11M CCK
  - 10 dBm @ 54M OFDM
- Coverage Area
  - Indoor: 100ft (30.5m)
  - Outdoor: 1000ft (305m)

## FIRMWARE/SOFTWARE SPECIFICATIONS

- Management/Configuration
  - Built-in browser-based utility with User Name/Password authentication
- Firmware Upgrade
  - TFTP
- IP Connection
  - Static IP or DHCP client
- Protocols
  - Transparent to layer 3 protocols, such as PPoE and VPN

## FRONT COMPONENTS

- LEDs
  - Three blue activity and status LED indicators
- Power - Indicates power is on
- WLAN - Indicates wireless network activity
- LAN - Indicates wired LAN activity

## REAR COMPONENTS

- Power Connector
  - AC Adapter connects to a 1.5A @ 5.4VDC external power adapter
  - Power Over Ethernet (PoE) powers the device through the CAT5 cable. Both Power and Data can be transmitted simultaneously through the CAT5 cable.
- Reset Button
  - Pressing this button restores the settings to their factory values: administrator password, IP address, and other configurations. This button is also helpful if you cannot access the configuration utility.
  - Note: Resetting the WAP will erase all your settings (WEP Encryption, Wireless and LAN settings, Passwords, etc.) and restore them to their factory default values. Do not reset the WAP if you want to retain these settings.
- LAN Port
  - The NXA-WAP200G can operate as a Wireless Access Point or as a Bridge.
  - LAN - PC toggle switch
  - When configured as a Wireless Access Point it allows multiple computers to connect to the LAN wirelessly
  - When configured as a Bridge it allows devices with a 10/100 port, to be connected to the wireless LAN, such devices include desktop computers, printers, XBoxes, PlayStation2s, PVRs, Stereos, etc.
  - When the NXA-WAP200G is used as a Wireless Access Point the switch should be positioned to LAN
  - When it is used as a Bridge it should be positioned to PC
- Antenna Connector
  - Single 3 dBi external antenna with reversed SMA connector

## ENVIRONMENTAL SPECIFICATION

- Operating Temperature: 0°C (32°F) to 50°C (122°F)
- Storage Temperature -25°C (-13°F) to 70°C (158°F)
- Relative Humidity: 10% to 90% non-condensing

## CERTIFICATIONS

- FCC, IC, CE, TELEC
- Wi-Fi Interoperable

## INCLUDED ACCESSORIES

- One power supply
- Five international plug adapters

## OPTIONAL ACCESSORIES

- NXA-WAP2403A (FG2255-20) 3 dBi Ceiling Mount Omnidirectional Antenna
- CC-NET (FG10-051-10) Ethernet Cable
- CC-NET (FG10-051-10) Ethernet Cable
- NXA-WAP2405A (FG2255-21) 5 dBi Rack/Ceiling Mount Omnidirectional Antenna
- CC-NET (FG10-051-10) Ethernet Cable
- NXA-WAP2410A (FG2255-23) 10 dBi Yagi Outdoor Directional Antenna

## Antenna

- NXA-WAP2413A (FG2255-22) 13 dBi Indoor/Outdoor Directional Antenna
- NXA-WAP2413AMB (FG2255-24) NXA-WAP2413A Mounting Bracket
- NXA-WAP2413ACMB (FG2255-25) NXA-WAP2413A Corner Mounting Bracket
- NXA-WAP10C (FG2255-26) 10' RG58 Plenum Antenna Extension Cable



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