

## HIGH PERFORMANCE

### 802.11n Selectable Dual Band PoE Wireless Access Point



Buffalo's AirStation Pro 802.11n Gigabit Selectable Dual Band PoE Wireless Access Point provides high performance 802.11n speeds and coverage, with simultaneous operation on two selectable bands for greater networking flexibility. Featuring integrated Power over Ethernet (PoE), AirStation Pro 802.11n AP offers easy installation and placement, even on high ceilings, drop ceilings, walls and other locations where power may not be available. Its plenum-rated chassis and multiple mounting options provide greater flexibility in installation locations, enabling users to safely install the unit above ceiling tiles. Additionally, multiple SSID support with VLAN tagging offers easy network segmentation and added security.

## FEATURES

### FEATURE HIGHLIGHTS

- Wireless 802.11n
- 10/100/1000 Gigabit Ethernet
- Selectable Dual Band Support – 5 GHz or 2.4 GHz
- Integrated Power over Ethernet – IEEE 802.3af
- Plenum-Rated Chassis
- Multi SSID with VLAN Tagging
- Removable Antennas and Bridging Support

### SELECTABLE DUAL BAND

Selectable dual band technology allows users to create a



Wireless-N network on either the 2.4 GHz frequency or on the less congested 5 GHz frequency. Select operation on the uncongested 5 GHz band for high bandwidth clients or use the more common 2.4 GHz frequency for standard wireless networking needs.

### POWER OVER ETHERNET

Integrated Power over Ethernet (PoE) allows the device to be powered without an AC power source for easy installation and placement, even on high ceilings, drop ceilings, walls and other locations where power may not be available. By using a PoE switch, users can install the AP anywhere they can run an Ethernet cable.

### REMOVEABLE ANTENNAS

Easily add high gain antennas for longer range, wireless bridging or backhaul solutions. AirStation Pro 802.11n AP uses industry-standard RP-SMA connectors, compatible with readily available third party solutions.

### WDS BRIDGING

Wireless Distribution System (WDS) allows users to easily extend coverage of their wireless network by interconnection multiple access points. Easily bridge a WLAN spanning multiple buildings or expand coverage in a home to hard to reach locations.

### MULTI-SSID / VLAN TAGGING

AirStation Pro 802.11n AP allows administrators to create multiple SSIDs with different security passphrases for easy network segmentation and added security. Network administrators can assign each SSID a VLAN tag to specify what network access that SSID gets.

### 802.1X RADIUS AUTHENTICATION

802.1X RADIUS authentication support provides enterprise-grade access restrictions, helping to keep unauthorized users out. By moving authentication to a backend RADIUS server\*, only specified and authorized wireless devices are permitted to connect to the wireless network.

## WAPS-AG300H GIGABIT SELECTABLE DUAL BAND



### PLENUM-RATED CHASSIS

AirStation Pro 802.11n AP offers easy installation and placement, even on high ceilings, drop ceilings, walls and other locations where power may not be available. Its plenum-rated chassis and multiple mounting options provide greater flexibility in installation locations, enabling users to safely install the unit above ceiling tiles.

## SPECIFICATIONS

### WIRELESS LAN INTERFACE

Standard Compliance:	IEEE802.11n, IEEE802.11a, IEEE802.11g, IEEE802.11b
Frequency Range:	Selectable dual band 2.4GHz or 5 GHz Support
Access Mode:	Infrastructure Mode
Antenna (Tx x Rx):	2 x 2
Wireless Security:	WPA - PSK (AES, TKIP), WPA2-PSK (AES, TKIP), 128/64-bit WEP

### LAN INTERFACE

Standard Compliance:	IEEE802.3 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3x Flow Control, IEEE802.1D Spanning Tree Protocol, IEEE802.1Q VLAN Tagging
Speed and Flow Control:	10/100/1000 Mbps
Number of LAN Ports:	2 x RJ-45 (1 port PoE, supports 802.3af)

### USB Interface

Standard Compliance:	USB 2.0
Connector Type:	A type
Number of Ports:	2
Data Transfer Rates:	Max 480 Mbps

### OTHER

Dimensions (W x H x D)	5.98 x 7.17 x 1.38 in
Weight	1.34 lbs
Power Consumption	Max 7.2 W (AC), Max 6.72 W (PoE)
Power Supply:	External AC 100-240V input, 12V DC Output or IEEE 802.3af PoE
OS Compatibility:	Windows® 8 (32/64-bit), Windows® 7 (32/64-bit), Windows Vista® (32/64-bit), Windows® XP, Mac OS® X

### BOX CONTENTS

AirStation Pro 802.11n Gigabit Selectable Dual Band PoE Wireless AP - WAPS-AG300H

AC Adapter

Mounting Kit

User Manual

Warranty Statement

5 GHz Speeds up to

**300 Mbps!**

2.4 GHz Speeds up to

**300 Mbps!**



**24/7 TECH SUPPORT | 3 YEAR WARRANTY**

(866) 752-6210 | USA & Canada Only

\*300 Mbps is the maximum aggregate wireless signal rate derived from IEEE 802.11n standard specifications achievable using two streams of 150 Mbps each. Actual data throughput and range will vary depending upon network conditions and environmental factors, including volume of network traffic, building materials and construction and network overhead. Maximum speed and range is achievable when used with same enhanced mode technology.

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