



# *air*Gateway™

airMAX® WISP Customer Wi-Fi Solution

Models: airGateway, airGateway-LR, AMG-PRO

Works Seamlessly with Existing airMAX CPE Deployment

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Small Form Factor Plugs into Existing Ubiquiti® PoE Adapter

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Features PoE Passthrough to Power airMAX CPE

# Overview

The airGateway™ is an affordable product with a compact form factor. It simultaneously connects indoor client devices and powers the outdoor CPE (Customer Premises Equipment).

The airGateway is available in three different models:

**airGateway** Standard 2.4 GHz model with an internal antenna

**airGateway-LR** Standard 2.4 GHz model but includes an external antenna for extended range

**AMG-PRO** Dual-band (2.4 or 5 GHz) model with improved range and performance

In the diagram on the right, the airGateway supports multiple functions:

- Acts as an indoor wireless device connecting multiple wireless clients
- Connects to a switch to support wired clients
- Powers the airMAX CPE on the roof

## Network Modes

The airGateway can operate in any of these network modes to meet the needs of your network:

- SOHO (Small Office/Home Office) Router
- Router
- Bridge

## Wireless Modes

The airGateway supports these wireless modes to fulfill your wireless requirements:

- *Access Point* mode to function as the center of your wireless network
- *Station* mode to extend your wireless network

Such versatile functionality makes the airGateway extremely convenient and economical to deploy.

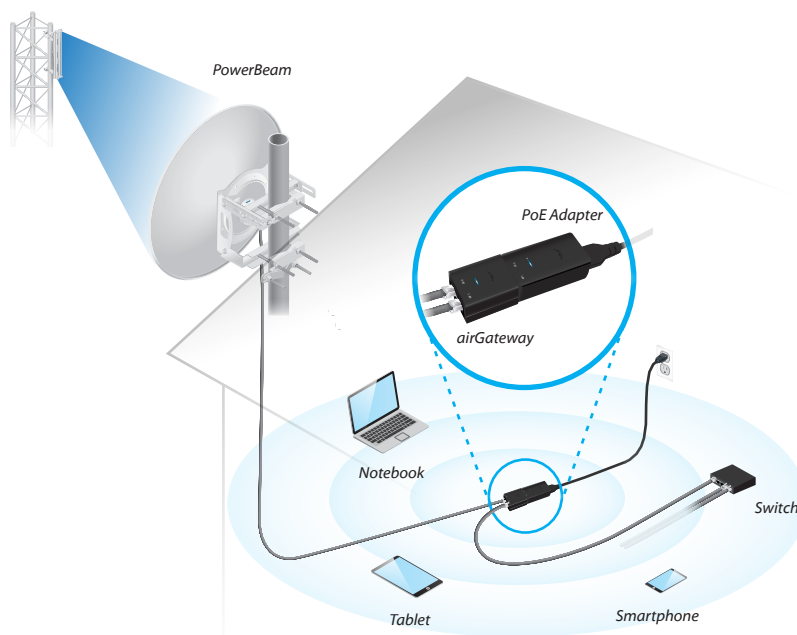
## Power Options

The airGateway is compatible with Ubiquiti PoE Adapters featuring 24V, 0.5A or 15V, 0.8A.

## ESD/Surge Protection

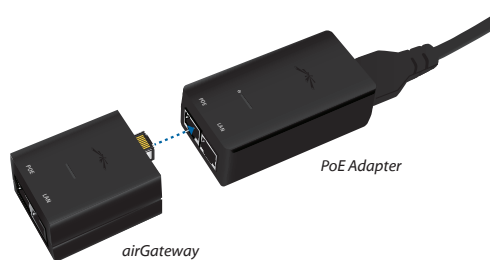
The airGateway provides an additional  $\pm 24\text{kV}$  of Ethernet isolation for built-in protection that lessens the risk of ESD or surge damage to your devices.

## Typical airGateway Application



*The airGateway is deployed indoors to connect client devices.*

## Ubiquiti PoE Adapter Compatibility



*The airGateway plugs into a Ubiquiti PoE Adapter.*

Model Number	Compatibility
POE-15-12W	✓
POE-24-12W	✓
POE-24-12W-G*	✓

\* airGateway maximum speed: 100 Mbps

# Software



airOS® is an intuitive, versatile, highly developed Ubiquiti firmware technology. It is exceptionally intuitive and was designed to require no training to operate. Behind the user interface is a powerful firmware architecture, which enables high-performance networking.

## Easy Deployment

After installing the airGateway, configure it via Wi-Fi from a computer, tablet, smartphone, or other wireless client device. During the initial setup, the *airGateway Setup Wizard* will appear and guide you through the basic configuration.

## Convenient Configuration

For advanced configuration, access the airOS Configuration Interface to manage the following:

- Wireless settings
- Network settings
- System management services and settings

## Intuitive User Interface

The interface is designed for efficient setup and control:

- Access via a web browser
- Web-based management pages for convenient configuration
- Multi-language support

## Powerful Features

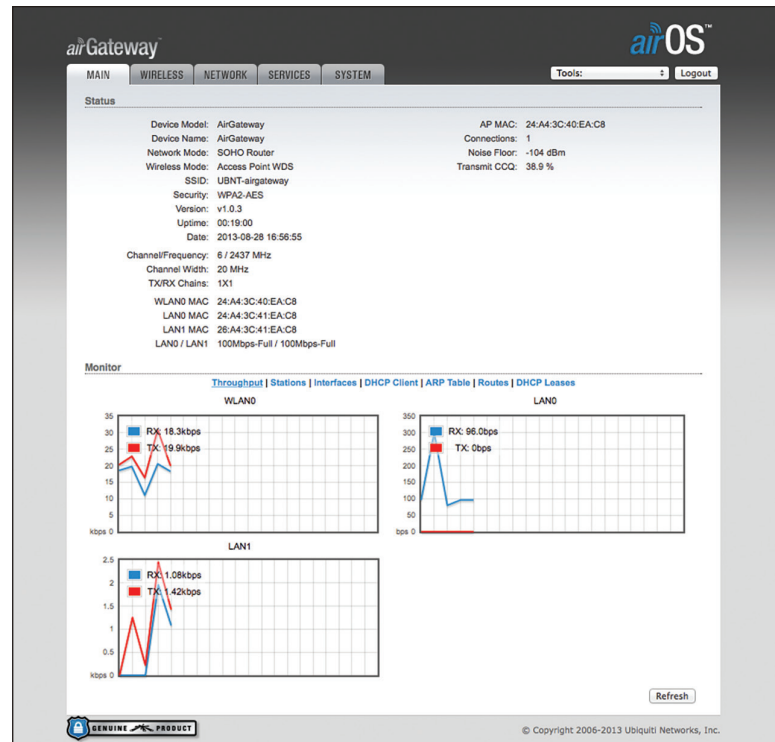
airOS supports a variety of networking features, including:

- Protocol support
- Channel shifting and spectral width adjustment
- ACK auto-timing
- Address Allocation Protocol (AAP) technology
- Network administration and monitoring tools

## System Management Services

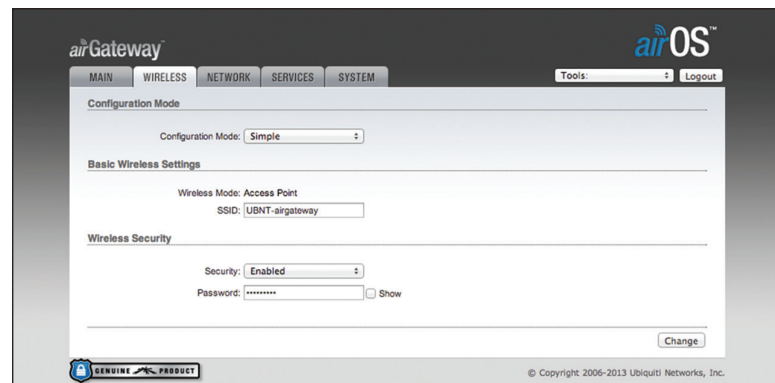
Manage these services from airOS:

- Ping Watchdog
- SNMP
- Servers (web, SSH, Telnet)
- NTP
- DDNS
- System log
- Device discovery



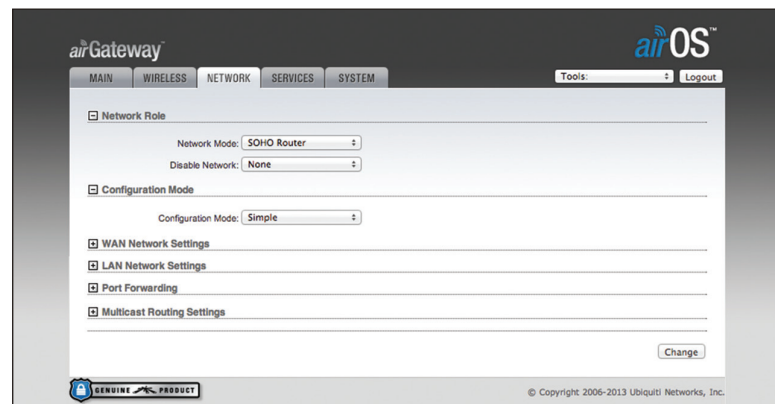
## Main

View link status information, current settings, and network traffic statistics.



## Wireless

Configure the wireless settings, including the channel and frequency in *Advanced Configuration Mode*.



## Network

Configure the network operating mode and IP settings.

# airGateway™

## Specifications

System Information	
Processor Specs	Atheros MIPS 24KC, 400 MHz
Memory	32 MB DDR1

Regulatory/Compliance Information	
Wireless Approvals	FCC, IC, CE
RoHS Compliance	Yes

Physical/Electrical/Environmental	
Dimensions	54 x 44 x 30 mm (2.1 x 1.7 x 1.2")
Weight	56 g (2.0 oz)
Enclosure Characteristics	Polycarbonate
Networking Interface	(2) 10/100 Ethernet Ports
Connector	(1) Male RJ45 Connector
Buttons	Reset, Reset Ext.
Antenna	Internal 2.4 GHz Antenna
System LED	Dual-Color
Wi-Fi Standards	802.11 b/g/n
Operating Frequency	2412 - 2484 MHz
Maximum Power Consumption	4W
Maximum TX Power	18 dBm
Power Method	PoE Adapter, 15 / 18 / 24VDC (Not Included)
ESD/EMP Protection	24kV RJ45 Interface
Operating Temperature	-10 to 60° C (14 to 140° F)
Operating Humidity	5 to 95% Noncondensing

Supported Data Rates	
Standards	Data Rates
802.11n	6.5 Mbps to 150 Mbps (MCS0 - MCS7, HT 20/40)
802.11b	1, 2, 5.5, 11 Mbps
802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps



## Specifications

System Information	
Processor Specs	Atheros MIPS 24KC, 400 MHz
Memory	32 MB DDR1

Regulatory/Compliance Information	
Wireless Approvals	FCC, IC, CE
RoHS Compliance	Yes

Physical/Electrical/Environmental	
Dimensions	airGateway: 54 x 44 x 30 mm (2.1 x 1.7 x 1.2") Mount: 154 x 49 x 39 mm (6.1 x 1.9 x 1.5")
Weight (Mount Included)	83 g (2.9 oz)
Enclosure Characteristics	Polycarbonate
Networking Interface	(2) 10/100 Ethernet Ports
Connector	(1) Male RJ45 Connector
Buttons	Reset, Reset Ext.
Antenna	(1) External 5 dBi
System LED	Dual-Color
Wi-Fi Standards	802.11 b/g/n
Operating Frequency	2412 - 2484 MHz
Maximum Power Consumption	4W
Maximum TX Power	18 dBm
Power Method	PoE Adapter, 15 / 18 / 24VDC (Not Included)
ESD/EMP Protection	24kV RJ45 Interface
Operating Temperature	-10 to 60° C (14 to 140° F)
Operating Humidity	5 to 95% Noncondensing

Supported Data Rates	
Standards	Data Rates
802.11n	6.5 Mbps to 150 Mbps (MCS0 - MCS7, HT 20/40)
802.11b	1, 2, 5.5, 11 Mbps
802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps



# airGateway<sup>TM</sup> PRO

## Specifications

System Information	
Processor Specs	Atheros MIPS 74KC, 560 MHz
Memory	32 MB DDR2

Regulatory/Compliance Information	
Wireless Approvals	FCC, IC, CE
RoHS Compliance	Yes

Physical/Electrical/Environmental	
Dimensions	79 x 44 x 30 mm (3.1 x 1.7 x 1.2")
Weight	70 g (2.5 oz)
Enclosure Characteristics	Polycarbonate
Networking Interface	(2) 10/100 Ethernet Ports
Connector	(1) Male RJ45 Connector
Buttons	Reset, Reset Ext.
Antenna 2.4 GHz 5 GHz	(2) Internal, Dual-Band 2 dBi 1 dBi
System LED	Dual-Color
Wi-Fi Standards	802.11 b/g/n
Operating Frequency 2.4 GHz 5 GHz	2412 - 2484 MHz Worldwide: 5150 - 5875 MHz United States: 5725 - 5850 MHz
Maximum Power Consumption	6W
Maximum TX Power 2.4 GHz 5 GHz	23 dBm 21 dBm
Power Method	PoE Adapter, 24VDC (Not Included)
ESD/EMP Protection	24kV RJ45 Interface
Operating Temperature	-30 to 70° C (-22 to 158° F)
Operating Humidity	5 to 95%

Supported Data Rates	
Standards	Data Rates
802.11n	6.5 Mbps to 150 Mbps (MCS0 - MCS7, HT 20/40)
802.11b	1, 2, 5.5, 11 Mbps
802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps



Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at: [www.ubnt.com/support/warranty](http://www.ubnt.com/support/warranty)  
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