



# *air*Gateway™

airMAX® WISP Customer Wi-Fi Solution

Models: airGateway, airGateway-LR, AMG-PRO

Works Seamlessly with Existing airMAX CPE Deployment

Small Form Factor Plugs into Existing Ubiquiti® PoE Adapter

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.

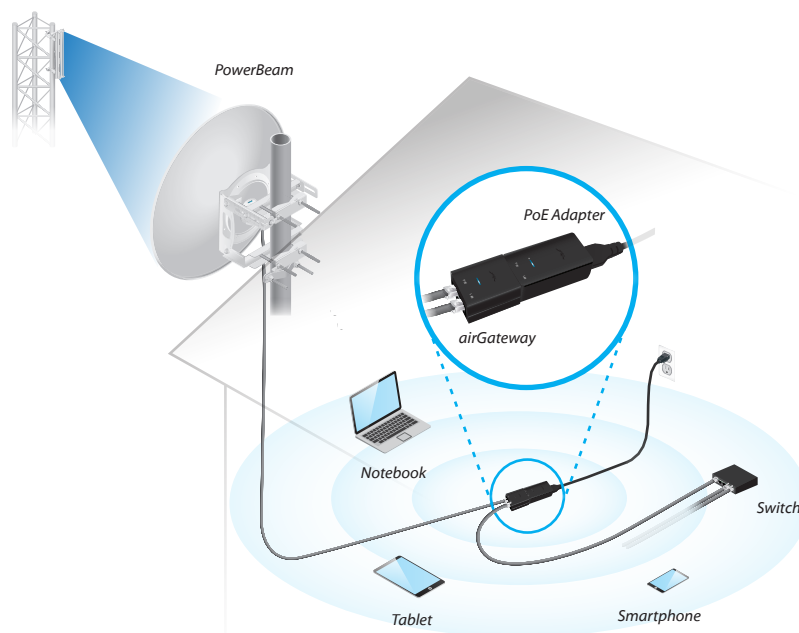
## Power Options

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

## ESD/Surge Protection

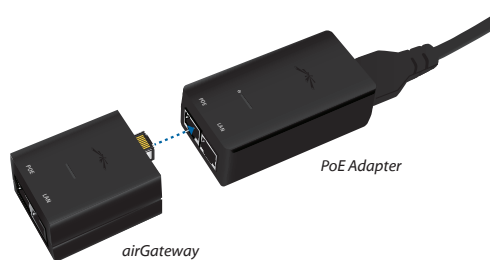
The airGateway provides an additional  $\pm 24\text{kV}$  of Ethernet isolation for built-in protection that lessens the risk of ESD or surge damage to your devices.

## 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

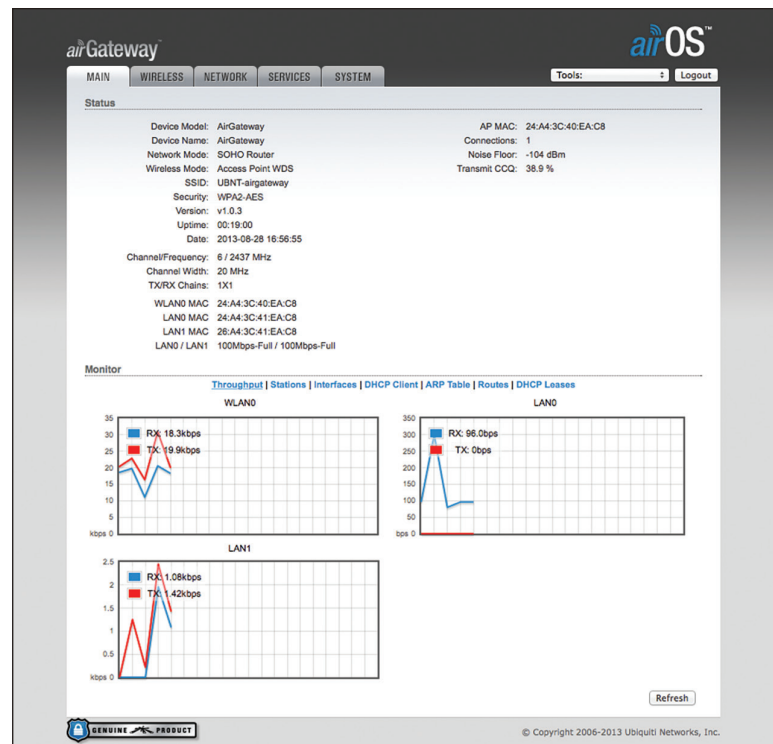
airOS supports a variety of networking features, including:

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

## System Management Services

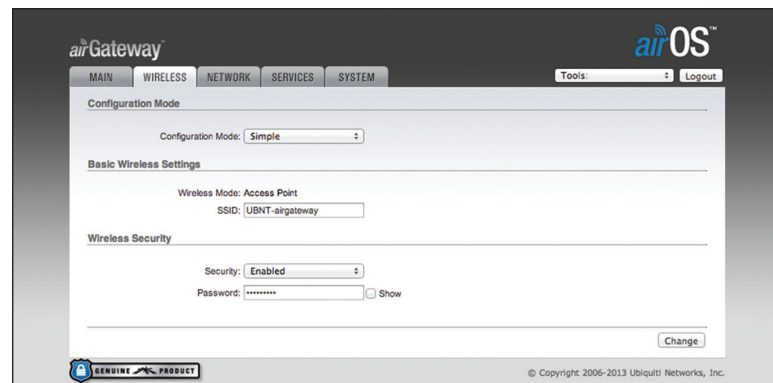
Manage these services from airOS:

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



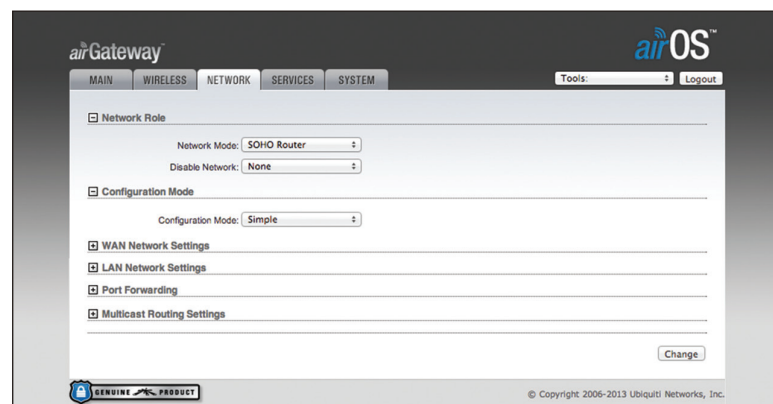
## Main

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.

## 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<br>(2.1 x 1.7 x 1.2")       |
| Weight                            | 56 g<br>(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<br>(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<br>(2.1 x 1.7 x 1.2")<br>Mount: 154 x 49 x 39 mm<br>(6.1 x 1.9 x 1.5") |
| Weight (Mount Included)           | 83 g<br>(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<br>(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<br>(3.1 x 1.7 x 1.2") |
| Weight                            | 70 g<br>(2.5 oz)                      |
| Enclosure Characteristics         | Polycarbonate                         |
| Networking Interface              | (2) 10/100 Ethernet Ports             |
| Connector                         | (1) Male RJ45 Connector               |
| Buttons                           | Reset, Reset Ext.                     |
| Antenna                           | (2) Internal, Dual-Band               |
| 2.4 GHz                           | 2 dBi                                 |
| 5 GHz                             | 1 dBi                                 |
| System LED                        | Dual-Color                            |
| Wi-Fi Standards                   | 802.11 b/g/n                          |
| Operating Frequency               | 2412 - 2484 MHz                       |
| 2.4 GHz                           | Worldwide: 5150 - 5875 MHz            |
| 5 GHz                             | United States: 5725 - 5850 MHz        |
| Maximum Power Consumption         | 6W                                    |
| Maximum TX Power                  | 23 dBm                                |
| 2.4 GHz                           | 21 dBm                                |
| 5 GHz                             |                                       |
| Power Method                      | PoE Adapter, 24VDC (Not Included)     |
| ESD/EMP Protection                | 24kV RJ45 Interface                   |
| Operating Temperature             | -30 to 70° C<br>(-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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