



# airGateway™

airMAX™ WISP Customer Wi-Fi Solution

Model: airGateway

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).

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.

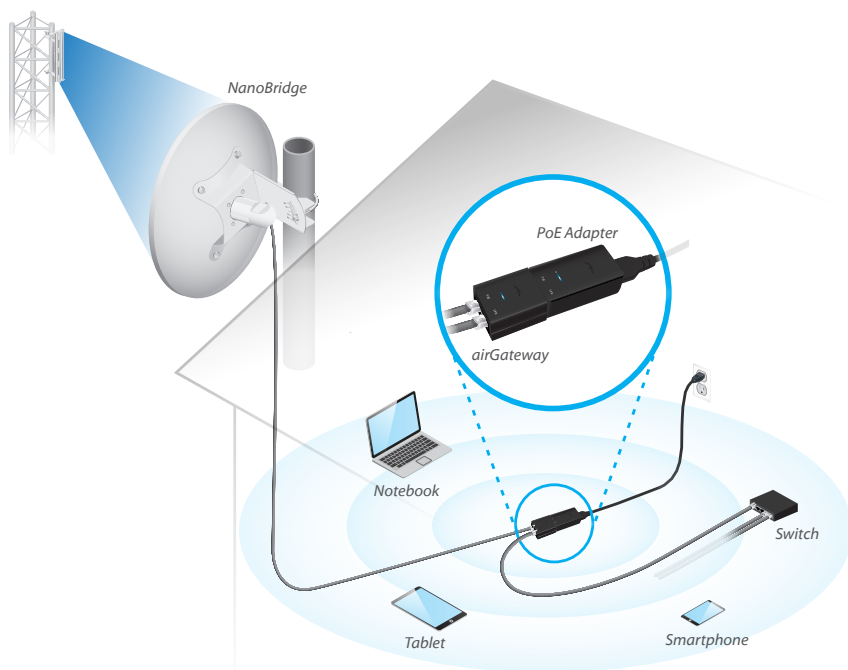
## Power Options

The airGateway is compatible with Ubiquiti PoE Adapters featuring 24V, 0.5A or 15V, 0.3A.

## ESD/Surge Protection

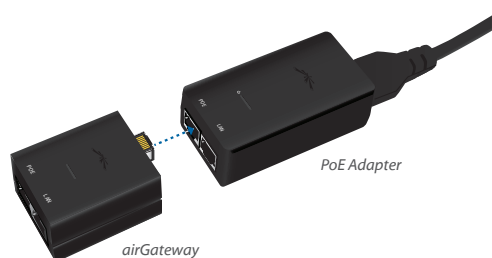
The airGateway provides an additional  $\pm 24\text{kV}$  of Ethernet isolation for built-in protection that lessens the risk of ESD or surge damage to your devices.

### 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	✓

# Software

## airOS™

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

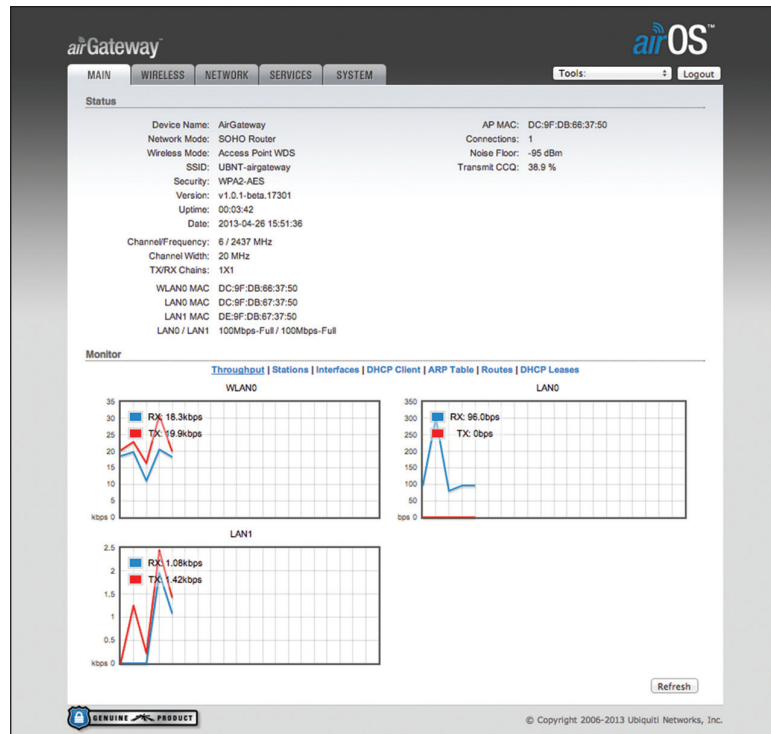
airOS supports a variety of networking features, including:

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

### System Management Services

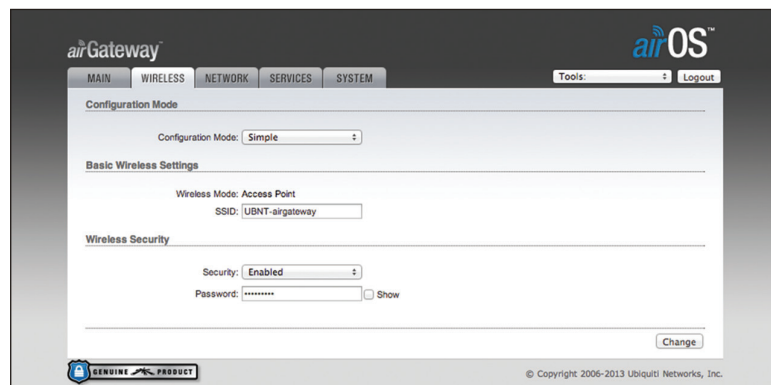
Manage these services from airOS:

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



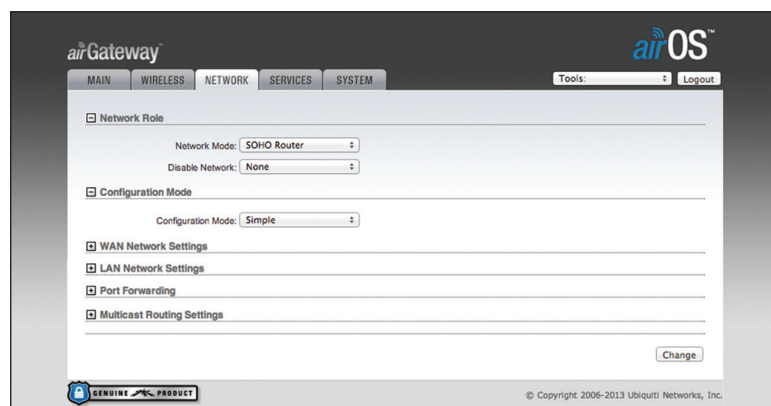
### Main

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	32MB DDR1
Networking Interface	(2) 10/100 Ethernet Ports

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

Physical/Electrical/Environmental	
Dimensions	54 x 44 x 30 mm
Weight	56 g
Enclosure Characteristics	Polycarbonate
Networking Interface	(2) 10/100 Ethernet Ports
Connector	(1) Male RJ-45 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	2.412 GHz to 2.484 GHz
Maximum Power Consumption	4 W
Maximum TX Power	18 dBm
Power Method	PoE Adapter, 15 / 18 / 24VDC (Not Included)
ESD/EMP Protection	24kV RJ-45 Interface
Operating Temperature	-30 to 60° C
Operating Humidity	100% 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



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