*air*Gateway™

airMAX® WISP Customer Wi-Fi Solution

Models: airGateway, airGateway-LR

Works Seamlessly with Existing airMAX CPE Deployment

Small Form Factor Plugs into Existing Ubiquiti PoE Adapter

Features PoE Passthrough to Power airMAX CPE

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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 two different models: the airGateway, which is the standard model with an internal antenna, and the airGateway-LR, which includes an external antenna for extended range.

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.
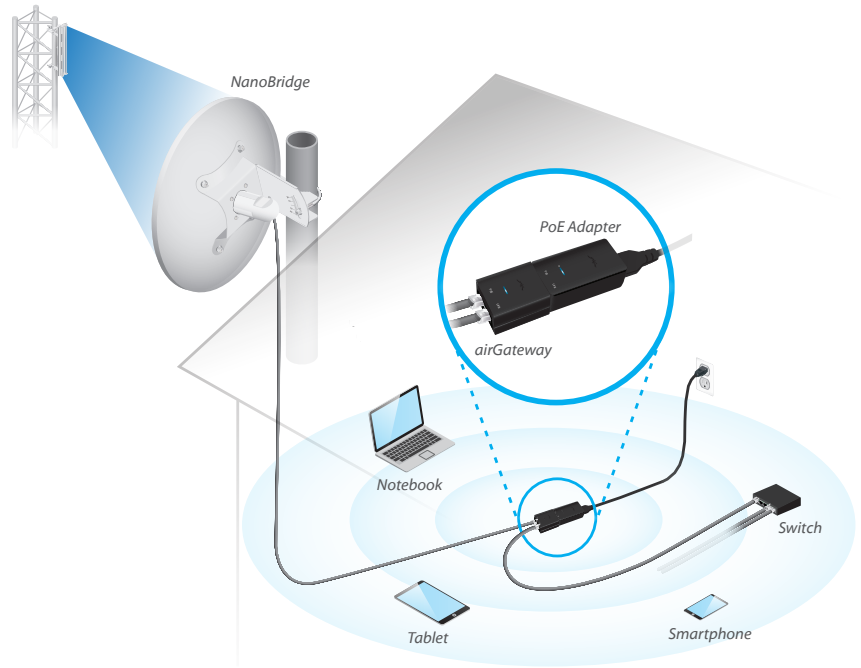
Power Options

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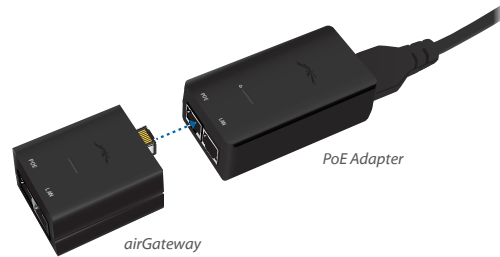
ESD/Surge Protection

The airGateway provides an additional ±24kV 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
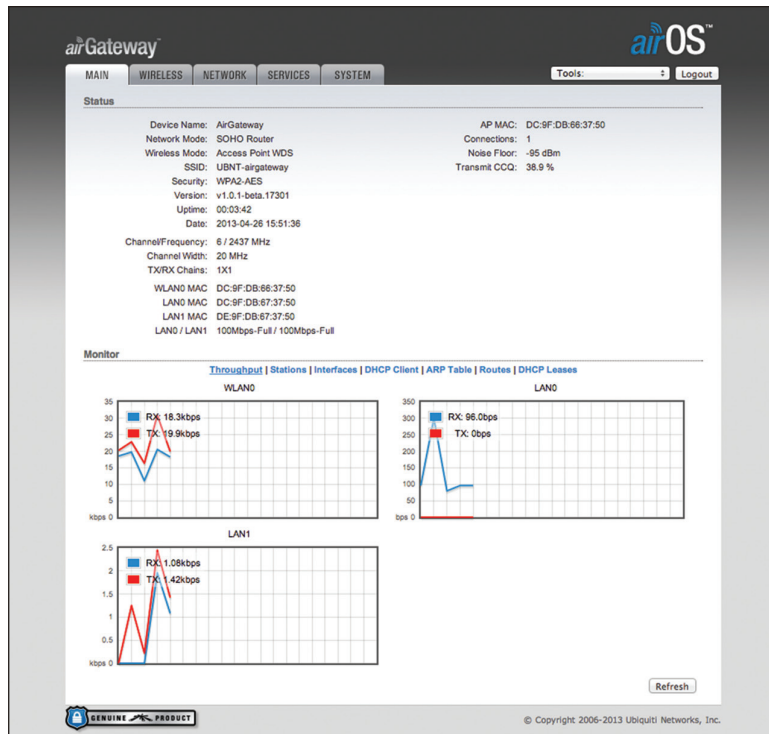
Powerful Features

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
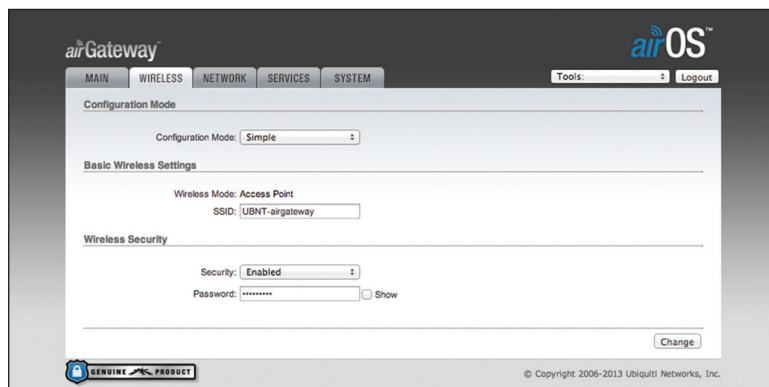
System Management Services

Manage these services from airOS:

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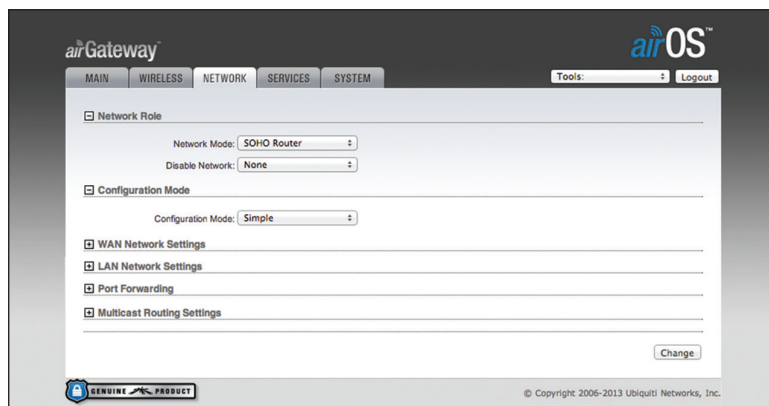• Device discovery

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.

*air*Gateway™

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
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	-10 to 60° C
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

air Gateway™ LR

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 Mount: 154 x 49 x 39 mm
Weight	83 g (Mount Included)
Enclosure Characteristics	Polycarbonate
Networking Interface	(2) 10/100 Ethernet Ports
Connector	(1) Male RJ-45 Connector
Buttons	Reset, Reset Ext
Antenna	(1) External 5 dBi
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
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