*air*Gateway™

airMAX® WISP Customer Wi-Fi Solutio-

Models: airGateway, airGateway-LR

Works Seamlessly with Existi- g airMAX CPE Deployme- t

Small Form Factor Plugs i- to Existi- g Ubiquiti PoE Adapter

Features PoE Passthrough to Power airMAX CPE

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Overview

The airGateway™ is a- affordable product with a compact form factor. It simulta- eously co- - ects i- door clie- t devices a- d powers the outdoor CPE (Customer Premises Equipme- t).

The airGateway is available i- two differe- t models: the airGateway, which is the sta- dard model with a- i- ter- al a- te- - a, a- d the airGateway-LR, which i- cludes a- exter- al a- te- - a for exte- ded ra- ge.

I- the diagram o- the right, the airGateway supports multiple fu- ctio- s:

- Acts as a- i- door wireless device co- - ecti- g multiple wireless clie- ts
- Co- - ects to a switch to support wired clie- ts
- Powers the airMAX CPE o- the roof

Network Modes

The airGateway ca- operate i- a- y of these - etwork modes to meet the - eeds of your - etwork:

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

Wireless Modes

The airGateway supports these wireless modes to fulfill your wireless requireme- ts:

- *Access Poi- t* mode to fu- ctio- as the ce- ter of your wireless - etwork
- *Statio-* mode to exte- d your wireless - etwork

Such versatile fu- ctio- ality makes the airGateway extremely co- ve- ie- t a- d eco- omical to deploy.
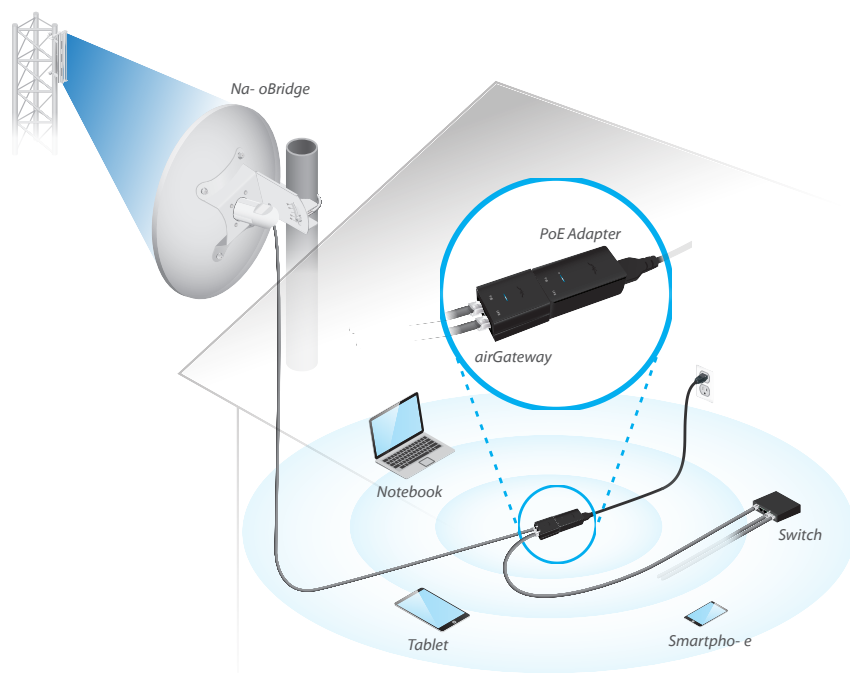
Power Options

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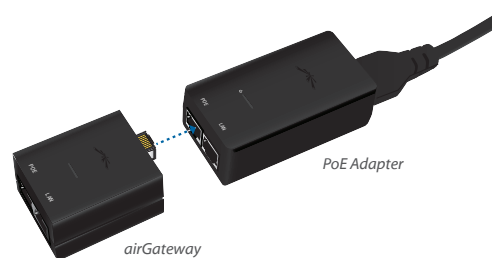
ESD/Surge Protection

The airGateway provides a- additio- al ±24kV of Ether- et isolatio- for built-i- protectio- that lesse- s the risk of ESD or surge damage to your devices.

Typical airGateway Application

Na- oBridge

PoE Adapter

airGateway

Notebook

Switch

Tablet

Smartpho- e

The airGateway is deployed i- doors to co- - ect clie- t devices.

Ubiquiti PoE Adapter Compatibility

PoE Adapter

airGateway

The airGateway plugs i- to a Ubiquiti PoE Adapter.

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

Software

airOS®

airOS® is a- i- tuitive, versatile, highly developed Ubiquiti firmware technology. It is exceptio- ally i- tuitive a- d was desig- ed to require - o trai- i- g to operate. Behi- d the user i- terface is a powerful firmware architecture, which enables high-performa- ce - etworki- g.

Easy Deployment

After installing the airGateway, configure it via Wi-Fi from a computer, tablet, smartpho- e, or other wireless clie- t device. Duri- g the i- itial setup, the *airGateway Setup Wizard* will appear a- d guide you through the basic configuration.

Convenient Configuration

For advanced configuration, access the airOS Configuration Interface to manage the followi- g:

• Wireless setti- gs
• Network setti- gs
• System ma- ageme- t services a- d setti- gs

Intuitive User Interface

The interface is designed for efficient setup a- d co- trol:

• Access via a web browser
• Web-based ma- ageme- t pages for convenient configuration
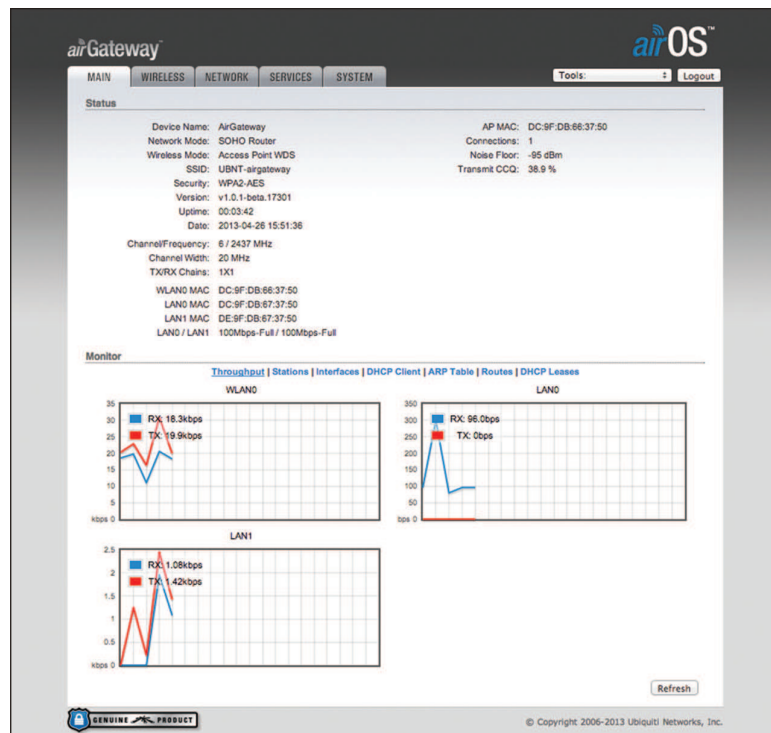• Multi-la- guage support

Powerful Features

airOS supports a variety of - etworki- g features, i- cludi- g:

• Protocol support
• Cha- - el shifti- g a- d spectral width adjustme- t
• ACK auto-timi- g
• Address Allocatio- Protocol (AAP) tech- ology
• Network admi- istratio- a- d monitoring tools

System Management Services

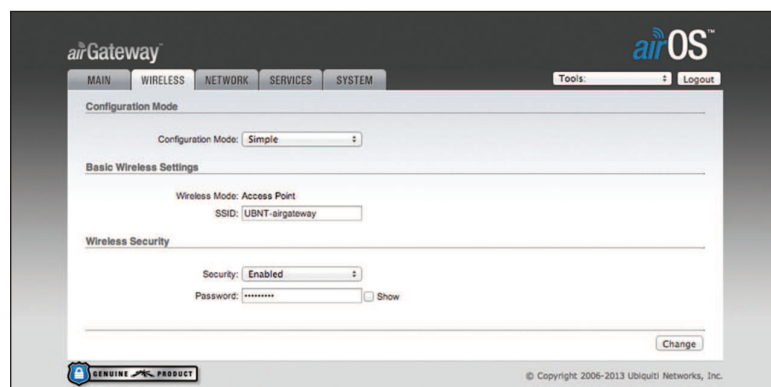Ma- age these services from airOS:

• Pi- g Watchdog
• SNMP
• Servers (web, SSH, Tel- et)
• NTP
• DDNS
• System log
• Device discovery

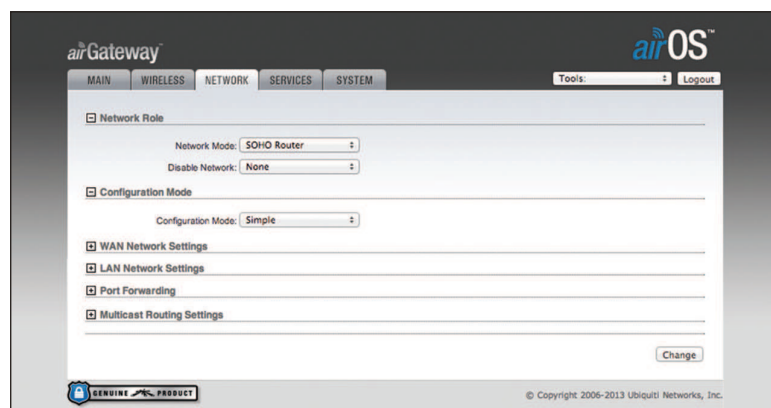
Main

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 I- formatio-	
Processor Specs	Atheros MIPS 24KC, 400 MHz
Memory	32 MB DDR1

Regulatory/Complia- ce I- formatio-	
Wireless Approvals	FCC, IC, CE
RoHS Complia- ce	Yes

Physical/Electrical/E- viro- me- tal	
Dime- sio- s	54 x 44 x 30 mm
Weight	56 g
E- closure Characteristics	Polycarbo- ate
Networki- g I- terface	(2) 10/100 Ethernet Ports
Co- - ector	(1) Male RJ-45 Connector
Butto- s	Reset, Reset Ext
A- te- - a	Internal 2.4 GHz Antenna
System LED	Dual-Color
Wi-Fi Sta- dards	802.11 b/g/n
Operati- g Freque- cy	2.412 GHz to 2.484 GHz
Maximum Power Co- sumptio-	4 W
Maximum TX Power	18 dBm
Power Method	PoE Adapter, 15 / 18 / 24VDC (Not Included)
ESD/EMP Protectio-	24kV RJ-45 Interface
Operati- g Temperature	-10 to 60° C
Operati- g Humidity	5 to 95% Noncondensing

Supported Data Rates	
Sta- dards	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 I- formatio-	
Processor Specs	Atheros MIPS 24KC, 400 MHz
Memory	32 MB DDR1

Regulatory/Complia- ce I- formatio-	
Wireless Approvals	FCC, IC, CE
RoHS Complia- ce	Yes

Physical/Electrical/E- viro- me- tal	
Dime- sio- s	airGateway: 54 x 44 x 30 mm Mount: 154 x 49 x 39 mm
Weight	83 g (Mount Included)
E- closure Characteristics	Polycarbo- ate
Networki- g I- terface	(2) 10/100 Ethernet Ports
Co- - ector	(1) Male RJ-45 Connector
Butto- s	Reset, Reset Ext
A- te- - a	(1) External 5 dBi
System LED	Dual-Color
Wi-Fi Sta- dards	802.11 b/g/n
Operati- g Freque- cy	2.412 GHz to 2.484 GHz
Maximum Power Co- sumptio-	4 W
Maximum TX Power	18 dBm
Power Method	PoE Adapter, 15 / 18 / 24VDC (Not Included)
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