



airCube™

airMAX® Home Wi-Fi Access Point with PoE In/Out

Models: ACB-AC, ACB-ISP

PoE Passthrough for Powering a 24V CPE Device

Managed by UNMS™, Ubiquiti Network Management System

UNMS App for Fast Setup from a Mobile Device



Introduction

Ubiquiti Networks introduces the airCube™, a cost-effective wireless access point for use in your customer deployments.

Wireless Performance

Two models are available:

- **airCube AC** Dual-band, 802.11ac, 2x2 MIMO technology for maximum wireless performance:
 - **2.4 GHz radio band** Speeds of up to 300 Mbps
 - **5 GHz radio band** Speeds of up to 866.7 Mbps
- **airCube ISP** 802.11n, 2x2 MIMO Wi-Fi for speeds of up to 300 Mbps in the 2.4 GHz radio band

Versatile Power Options

Both models offer convenient PoE passthrough to power a 24V airMAX CPE device, so you can use a single PoE adapter to power both devices.

To provide sufficient power for PoE passthrough:

- The airCube AC requires the included power adapter or 24V, 1A PoE input.
- The airCube ISP requires 24V, 1A PoE input.

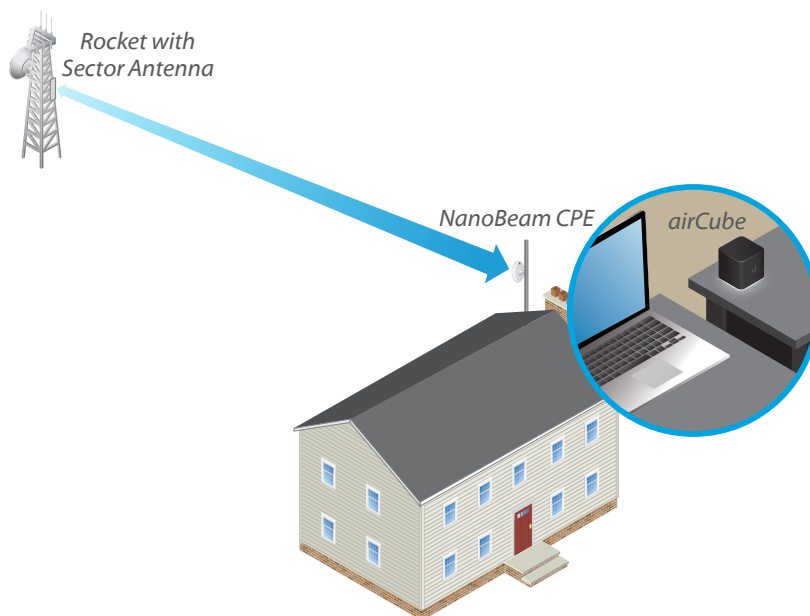
Intuitive Software

Management options feature a graphical user interface designed for streamlined setup and control.

Available options include:

- **UNMS** Provides advanced remote control of Ubiquiti® devices. Use the UNMS™ app to manage your devices using a tablet or smartphone.
- **Web UI** Enables a standalone utility for basic configuration.

Example of a Typical Deployment



Point-to-MultiPoint (PtMP) link: The airCube powers a NanoBeam® SAC Gen 2 CPE, which connects to a Rocket® Prism® 5AC Gen 2 on an airMAX ac Sector Antenna.

Management Screens



Models



Model: airCube-AC

- (4) Gigabit Ethernet Ports
- 24V PoE Passthrough for airMAX CPE
- Dual-Band, 802.11ac, 2x2 MIMO Technology
- Up to 300 Mbps in the 2.4 GHz Radio Band
- Up to 866.7 Mbps in the 5 GHz Radio Band
- Powered by 24V Passive PoE or Included Power Adapter



Model: airCube-ISP

- (4) 10/100 Fast Ethernet Ports
- 24V PoE Passthrough for airMAX CPE
- 802.11n, 2x2 MIMO Technology
- Up to 300 Mbps in the 2.4 GHz Radio Band
- Powered by 24V Passive PoE or 2A Micro USB Adapter (Not Included)



Model Comparison Chart

Model	Ports	Radio Bands	Wi-Fi	Power Input	PoE Passthrough	Powers airMAX Device
airCube-AC	(4) Gigabit	2.4 and 5 GHz	802.11ac 2x2 MIMO	24V, 1A PoE	✓	✓
				Power Adapter	✓	✓
airCube-ISP	(4) 10/100	2.4 GHz	802.11n 2x2 MIMO	24V, 1A PoE	✓	✓
				Micro USB Adapter		

airCube™ AC

Specifications

airCube-AC		
Dimensions	87.80 x 89.50 x 89.25 mm (3.46 x 3.52 x 3.51")	
Weight	280 g (9.88 oz)	
Power Supply	24VDC	
Power Method	24VDC, 0.83A or PoE 24V In on LAN Port 1	
Supported Power Voltage	22-26V	
Max. Power Consumption	8.5W	
PoE Out	Controllable 24V PoE Out (+4, 5; -7, 8) on WAN Port	
Management Interface	Wi-Fi / Ethernet	
Networking Interface	(4) Gigabit Ethernet Ports	
LED	Status	
Max. TX Power	23dbm (5GHz); 19dbm (2.4GHz)	
Antenna Gain	2.4 GHz	5 GHz
	4 dBi	5 dBi
Max. Speeds	2.4 GHz	5 GHz
	300 Mbps	866.7 Mbps
Throughput	350 Mbps	
Enclosure Characteristics	Black Plastic	
ESD/EMP Protection	±24 kV Contact / Air	
Operating Temperature	-10 to 50° C (-14 to 122° F)	
Operating Humidity	5 to 95% Noncondensing	
Certifications	CE, FCC, IC	



Specifications

airCube-ISP	
Dimensions	87.80 x 89.50 x 89.25 mm (3.46 x 3.52 x 3.51")
Weight	215 g (7.58 oz)
Power Supply	5V
Power Method	PoE 24V In on LAN Port 1 or 2A Micro USB Adapter (Not Included)
Supported Power Voltage	4.95-5.05V
Max. Power Consumption	5W
PoE Out	Controllable 24V PoE Out (+4, 5; -7, 8) on WAN Port
Management Interface	Wi-Fi / Ethernet
Networking Interface	(4) 10/100 Fast Ethernet Ports
LED	Status
Max. TX Power	19 dBm
Antenna Gain	4 dBi
Max. Speeds	300 Mbps
Throughput	350 Mbps
Enclosure Characteristics	Black Plastic
ESD/EMP Protection	±24 kV RJ-45 Interface
Operating Temperature	-10 to 50° C (-14 to 122° F)
Operating Humidity	5 to 95% Noncondensing
Certifications	CE, FCC, IC



Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at: www.ubnt.com/support/warranty. The limited warranty requires the use of arbitration to resolve disputes on an individual basis, and, where applicable, specify arbitration instead of jury trials or class actions.

©2017-2019 Ubiquiti Networks, Inc. All rights reserved. Ubiquiti, Ubiquiti Networks, the Ubiquiti U logo, the Ubiquiti beam logo, airCube, airMAX, airOS, EdgeMAX, Rocket, and UNMS are trademarks or registered trademarks of Ubiquiti Networks, Inc. in the United States and in other countries. All other trademarks are the property of their respective owners.