## Datasheet

ŵ Cube									
U	airCube AC BROOK MODE				↓ DOWNLOAD	DEVICE airCube	e AC	: 0	<b>\$</b> ↓ ⊗ ⊗
					THROUGHPUT 111 kbps	SSID airCube-aurimas	IP ADDRE: 192.168.4		MAC ADDRESS 0418D8A21583
	CONNECTED				THROUGHPUT 76.1 kbps	CLIENTS UPTIME MEMORY USAGE	2 00:12:10 80 %	TX TOTAL RX TOTAL CPU LOAD	1.63 M 2.60 M 8 %
CLIENTS Client #1 C0:EE:FB:D0		🔶 2.4 GHz	↓ 0 bps	↑ 0 bps					
Client #2 C0:EE:FB:D0		👳 5 GHz	↓ 3.44 kbps	↑ 1.57 kbp	5				



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UPLON

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

Models: ACB-AC, ACB-ISP

PoE Passthrough for Powering a 24V CPE Device

UMobile App for Fast Setup

Managed by UNMS<sup>™</sup>, Ubiquiti Network Management System



## Introduction

Ubiquiti Networks introduces the airCube<sup>™</sup>, 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 or a 2A Micro USB adapter (not included).

#### Intuitive Software

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

Available options include:

- **UMobile App** Supports quick setup and status information.
- Web UI Enables a standalone utility for basic configuration.
- UNMS Provides advanced remote control of Ubiquiti® devices.

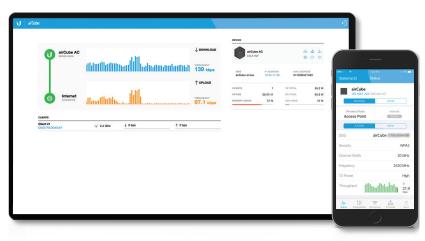
# Rocket with Sector Antenna

**Example of a Typical Deployment** 

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

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### Management Screens



## Models

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## 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**

Mod	del	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	22 dBm				
Antenna Gain	2.4 GHz	5 GHz			
	4 dBi	5 dBi			
Max. Speeds	2.4 GHz	5 GHz			
	300 Mbps	866.7 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				



# airCube Specifications

	airCube-ISP		
Dimensions	87.80 x 89.50 x 89.25 m (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	22 dBm		
Antenna Gain	4 dBi		
Max. Speeds	300 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		



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