### **D**ATASHEET



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™, Ubiquiti Network Management System



### 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 or a 2A Micro USB adapter (not included).

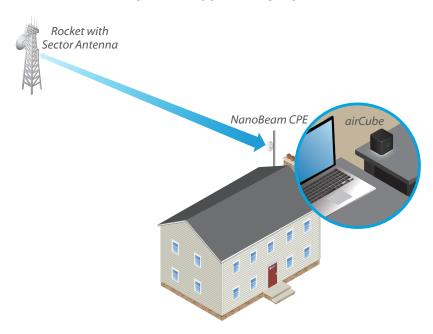
#### **Intuitive Software**

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

Available options include:

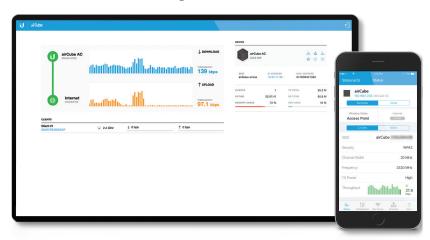
- UMobile App Supports quick setup and status information.
- Web UI Enables a standalone utility for basic configuration.
- UNMS Provides advanced remote control of Ubiquiti® devices.

### **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.

### **Management Screens**



### **Models**

### air Cube AC

#### 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



# air Cube ISP

### 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	✓	<b>√</b>
airCube-ISP	(4) 10/100	2.4 GHz	802.11n 2x2 MIMO	24V, 1A PoE	✓	✓
				Micro USB Adapter		

# *ai* Cube **AB**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		



## air Cube Esp

### **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	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			



