



*rocket*  
**PRISM** **AC GEN2**

5 GHz airMAX® ac Radio  
BaseStation with airPrism®  
Active RF Filtering Technology

Model: RP-5AC-Gen2

5 GHz Wide Band Operating Frequency

Custom Ubiquiti® airMAX ac Processor

Dedicated Wi-Fi Radio for Management

# Specifications

RP-5AC-Gen2		
Dimensions	88 x 40 x 230 mm (3.47 x 1.58 x 9.06")	
Weight	400 g (14.11 oz)	
Networking Interface	(1) 10/100/1000 Ethernet Port	
RF Connectors	(2) RP-SMA (Waterproof), (1) GPS* (Waterproof)	
LEDs	(4) Signal Strength, GPS*, LAN, Power	
Enclosure	Die-Cast Aluminum with White Powder Coating	
Max. Power Consumption	9.5W	
Power Supply	24V, 1A Gigabit PoE Adapter (Included)	
Power Method	Passive PoE (Pairs 4, 5+; 7, 8 Return)	
Processor Specs	Atheros MIPS 74Kc	
Memory	128 MB DDR2 SDRAM	
Supported Voltage Range	18-26VDC	
Signal Strength LEDs	Software-Adjustable to Correspond to Custom RSSI Levels	
Channel Sizes	PtP Mode	PtMP Mode
	10/20/30/40/50/60/80 MHz	10/20/30/40 MHz
ESD/EMP Protection	± 24 kV Contact / Air for Ethernet	
Operating Temperature	-40 to 80° C (-40 to 176° F)	
Operating Humidity	5 to 95% Noncondensing	
RoHS Compliance	Yes	
Shock and Vibration	ETSI300-019-1.4	
Modes	Access Point, Station	
Services	Web Server, SNMP, SSH Server, Telnet , Ping Watchdog, DHCP, NAT, Bridging, Routing	
Utilities	airMagic, airView, Antenna Alignment Tool, Discovery Utility, Site Survey, Ping, Traceroute, Speed Test	
Distance Adjustment	Dynamic Ack and Ackless Mode	
Power Adjustment	Software Adjustable UI or CLI	
Security	WPA2 AES Only	
QoS	Supports Packet Level Classification WMM and User Customer Level: High/Medium/Low	
Statistical Reporting	Up Time, Packet Errors, Data Rates, Wireless Distance, Ethernet Link Rate	
Other	Remote Reset Support, Software Enabled/Disabled, VLAN Support, 256QAM, GPS*, TX Filter	
Ubiquiti Specific Features	30/50/60 MHz Channels, airMAX ac Mode, Traffic Shaping with Burst Support, Discovery Protocol, Frequency Band Offset, Ackless Mode	
Certifications	CE, FCC, IC	

\* GPS sync support available in airOS firmware v8.3.0 and newer.

Operating Frequency (MHz)				
Worldwide	5150 - 5875			
USA	U-NII-1: 5150 - 5250	U-NII-2A: 5250 - 5350 MHz	U-NII-2C: 5470 - 5725 MHz	U-NII-3: 5725 - 5850

Management Radio (MHz)	
Worldwide	2412 - 2472
USA	2412 - 2462

RP-5AC-Gen2 Output Power: 28 dBm							
TX Power Specifications				RX Power Specifications			
Modulation	Data Rate	Avg. TX	Tolerance	Modulation	Data Rate	Sensitivity	Tolerance
airMAX ac	1x BPSK (1/2)	28 dBm	± 2 dB	airMAX ac	1x BPSK (1/2)	-96 dBm	± 2 dB
	2x QPSK (1/2)	28 dBm	± 2 dB		2x QPSK (1/2)	-95 dBm	± 2 dB
	2x QPSK (3/4)	28 dBm	± 2 dB		2x QPSK (3/4)	-92 dBm	± 2 dB
	4x 16QAM (1/2)	28 dBm	± 2 dB		4x 16QAM (1/2)	-90 dBm	± 2 dB
	4x 16QAM (3/4)	28 dBm	± 2 dB		4x 16QAM (3/4)	-86 dBm	± 2 dB
	6x 64QAM (2/3)	28 dBm	± 2 dB		6x 64QAM (2/3)	-83 dBm	± 2 dB
	6x 64QAM (3/4)	27 dBm	± 2 dB		6x 64QAM (3/4)	-77 dBm	± 2 dB
	6x 64QAM (5/6)	26 dBm	± 2 dB		6x 64QAM (5/6)	-74 dBm	± 2 dB
	8x 256QAM (3/4)	24 dBm	± 2 dB		8x 256QAM (3/4)	-69 dBm	± 2 dB
	8x 256QAM (5/6)	22 dBm	± 2 dB		8x 256QAM (5/6)	-65 dBm	± 2 dB