

Ubiquiti Networks R5AC-PRISM Specs

Enclosure Characteristics	Die-cast aluminum with white powder coating
Processor	Atheros MIPS 74Kc, 720 MHz
Memory	RAM: 128 MB DDR2 SDRAM Flash: 16 MB NOR
Networking Interface	1 x 10/100/1000 Mbps Ethernet port
RF Connections	2 x RP-SMA (Waterproof) 1 x GPS (Waterproof)
LEDs	Power LAN GPS 4 x Signal Strength
Max Power Consumption	8.5 W
Power Supply	24 V, 0.5 A Gigabit PoE adapter
Power Method	Passive PoE (Pairs 4, 5+; 7, 8 Return)
Voltage	18-26 VDC
ESD/EMP Protection	± 24 KV Air / Contact
Temperature & Humidity	Operating Temperature: -40 to 176°F / -40 to 80°C Operating Humidity: 5 to 95% non-condensing

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

Antenna Alignment Tool, Discovery Utility, Site
Survey, Ping, Traceroute, Speed Test

Distance Adjustment

Dynamic Ack and Ackless Mode

Power Adjustment Range

Software Adjustable UI or CLI

Security

WPA2 AES only

QoS (Quality of Service)

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

Channel Sizes

PtP Mode: 10/20/30/40/50/60/80 MHz
PtMP Mode: 10/20/30/40 MHz

Other Specifications

Remote Reset Support, Software Enabled/Disabled,
VLAN Support, 256QAM, GPS, TX Filter

Wireless Approvals

FCC, IC, CE

RoHS Compliance

Yes

Operating Frequency

Worldwide: 5150 - 5875 MHz DTS: 5725 - 5850 MHz

Output Power

Output Power 27 dBm

Tx Power Specifications

Modulation: airMAXac

Data Rate / Avg. Tx / Tolerance

1x BPSK (1/2) 27 dBm ± 2 dB

2x QPSK (1/2) 27 dBm ± 2 dB

2x QPSK (3/4) 27 dBm ± 2 dB

4x 16QAM (1/2) 27 dBm ± 2 dB

4x 16QAM (3/4) 27 dBm ± 2 dB

6x 64QAM (2/3) 27 dBm ± 2 dB

6x 64QAM (3/4) 26 dBm ± 2 dB

6x 64QAM (5/6) 25 dBm ± 2 dB

8x 256QAM (3/4) 23 dBm ± 2 dB

8x 256QAM (5/6) 22 dBm ± 2 dB

RX Power Specifications

Modulation: airMAXac

Data Rate / Sensitivity / Tolerance

1x BPSK (1/2) -96 dBm ± 2 dB

2x QPSK (1/2) -95 dBm ± 2 dB

2x QPSK (3/4) -92 dBm ± 2 dB

4x 16QAM (1/2) -90 dBm ± 2 dB

4x 16QAM (3/4) -86 dBm ± 2 dB

6x 64QAM (2/3) -83 dBm ± 2 dB

6x 64QAM (3/4) -77 dBm ± 2 dB

6x 64QAM (5/6) -74 dBm ± 2 dB

8x 256QAM (3/4) -69 dBm ± 2 dB

8x 256QAM (5/6) -65 dBm ± 2 dB

Dimensions

3.47 x 1.58 x 9.06" / 88 x 40 x 230 mm

Weight

14.11 oz / 400 g

Packaging Info

Package Weight

2.2 lb

Box Dimensions (LxWxH)

10.9 x 4.8 x 3.4"
