rocketM

Powerful 2x2 MIMO AirMax BaseStation Platforms

Models: M2, M2GPS, M3, M365, M365GPS, M5, M5GPS, M900

- Ultimate in RF Performance
- Seamlessly Integrates with AirMax BaseStation and Rocket Antennas
- Incredible Range and Speed

UBIQUITI NETWORKS

Wide Antenna Selection

Rocket M series units seamlessly integrate with airMAX BaseStation, airMAX Omni, airMAX Yagi and Rocket Dish antennas.

low LATENCY

Latency remains low for voice and video applications as network scales.

150 Mbps+ *real throughput*

Breakthrough speed 150+ Mbps real TCP/IP throughput.

airSync

Rocket M GPS products have integrated Ubiquiti airSync technology, which enables units to utilize GPS signals for precision timing.

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Overview

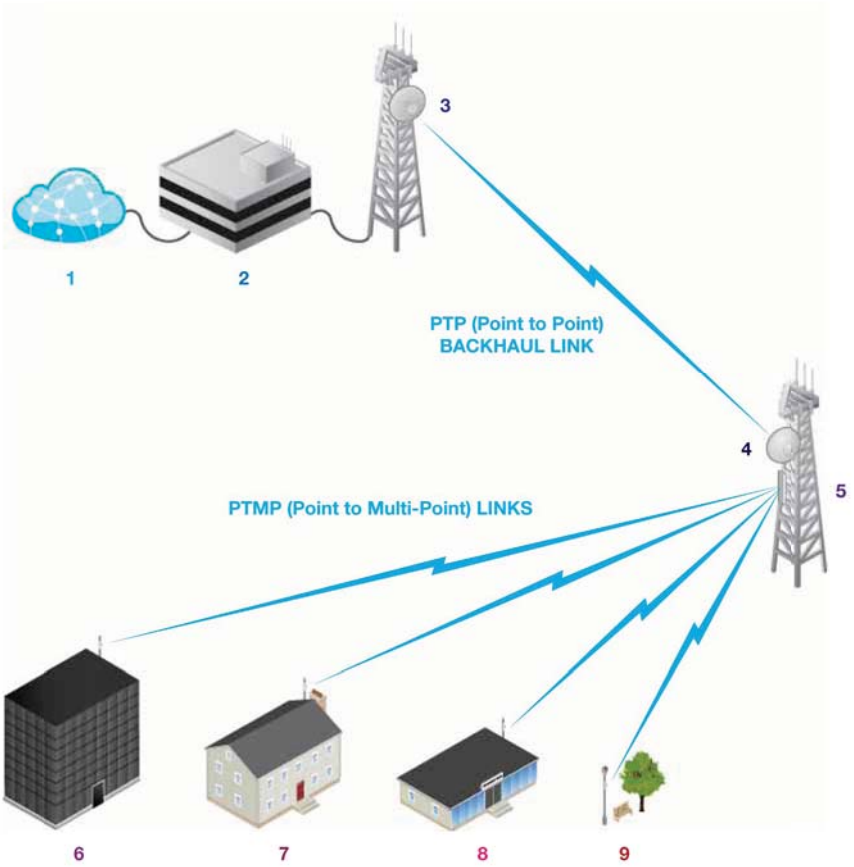
Versatile

Rocket M is a rugged, hi-power, very linear 2x2 MIMO radio with enhanced receiver performance. It features incredible range performance (50+km) and breakthrough speed (150+Mbps real TCP/IP).

Rocket M combines the “brains” in one robust unit; it can be paired with your choice of AirMax BaseStation or Rocket Antennas. This versatility gives network architects unparalleled flexibility and convenience.

On the right is one example of how Rockets can be deployed:

1 Internet Backbone
2 ISP Network
3 RocketDish with Rocket M
4 RocketDish with Rocket M
5 AirMax BaseStation with Rocket M
6 Corporate building with NanoStation M client.
7 House with NanoStation M client.
8 Small business with NanoStation M client.
9 Lightpole with NanoStation M daisy-chained to a PicoStation M to create a wireless hotspot.



Integrated AirMax Technology

Unlike standard WiFi protocol, Ubiquiti's Time Division Multiple Access (TDMA) AirMax protocol allows each client to send & receive data using pre-designated time slots scheduled by an intelligent AP controller.

This "time slot" method eliminates hidden node collisions & maximizes air time efficiency. It provides many magnitudes of performance improvements in latency, throughput, & scalability compared to all other outdoor systems in its class.

Intelligent QoS Priority is given to voice/video for seamless access.

Scalability High capacity and scalability.

Long Distance Capable of high speed 50km+ links

Latency Multiple features dramatically reduce noise.

GPS Synchronization*

Rocket M GPS units have integrated Ubiquiti AirSync technology. AirSync enhances the hardware and software of Rocket M to utilize GPS signals for precision timing.

GPS Signal Reporting AirOS was upgraded to take full advantage of the new GPS hardware in Rocket M GPS units; easily manage/monitor GPS satellite signals.

No Co-location Interference Synchronized transmission among Rocket M GPS powered BaseStations effectively eliminates co-location interference.

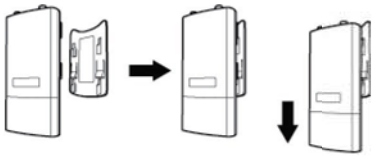
External GPS Antenna Included weather-proof external GPS Antenna (Rocket M GPS).

Two Ethernet Ports Second Ethernet port (only Rocket M GPS) capable of providing power to a secondary device using PoE.

Channel Re-use Frequency reuse for increased scalability.

Easy Installation

Rocket M and AirMax BaseStation/ Rocket Antennas have been designed to seamlessly work together.



Installing Rocket M on AirMax BaseStation and Rocket Antennas requires no special tools, you simply snap it securely into place with the universal Rocket mount built into the antennas.

* Only Rocket M GPS Models