

# LTS LTUBROCKET-M5 5GHz Rocket M5 BaseStation

The Ubiquiti Networks Rocket M5 MIMO airMAX BaseStation features enhanced radio performance and waterproof, durable construction. Its carrier-class capabilities provide speeds of up to 150+ Mbps. The M5 features Ethernet (10/100 Mbps) connection that delivers high throughput for reliable data transfers. The rugged enclosure is designed to improve performance in harsh RF environments and in volatile weather conditions. This U.S. version comes with firmware that supports Dynamic Frequency Selection (DFS), which detects and avoids radar signals while operating in the 5 GHz bandwidth.

The M5 may be deployed in PtP bridging or PtMP airMAX BaseStation applications. It supports plug-and-play integration with your choice of airMAX antennas. This versatility gives network architects flexibility and convenience. Plus, Ubiquiti's Time Division Multiple Access (TDMA) airMAX protocol allows each client to send and receive data using pre-designated time slots, scheduled by an intelligent AP controller. Other features include airView advanced spectrum analyzer functionality, access to airControl network management tools, and the convenience of an intuitive user interface design thanks to the airOS 5 operating system.

## Features:

### Flexibility

- The Rocket is available in a variety of frequency models that are designed to support your specific application. The M5 model works within the 5 GHz frequency band, which gives you the freedom to locate, deploy, and operate the unit in an unlicensed band (subject to local country regulations). The Rocket also allows for a high degree of flexibility in configuring channel bandwidths, depending on the specific model and local country regulations.

### Plug-&-Play Integration

- Rocket radios and airMAX antennas have been designed to work seamlessly together. Every airMAX Sector, RocketDish, Omni, or Yagi antenna has a built-in Rocket mount, so installation requires no special tools. Snap the Rocket securely into place and mount the antenna; then you have the optimal combination of Rocket radio and airMAX antenna for your PtP or PtMP application.

### airMAX Technology Included

- Unlike standard Wi-Fi protocol, Ubiquiti's Time Division Multiple Access (TDMA) airMAX protocol allows each client to send and receive data using pre-designated time slots scheduled by an intelligent AP controller. This time slot method eliminates hidden node collisions and maximizes airtime efficiency. It also provides high-performance latency, throughput, and scalability.

### Intelligent QoS

- Intelligent QoS priority is given to voice/video for seamless streaming.

### Scalability & Throughput

- The M5 supports speeds of up to 150+ Mbps real TCP/IP throughput, as well as impressive scalability to handle growing workloads and high-capacity applications.

### Designed for Long Distance

- The M5 is capable of high-speed, carrier-class links.

### airOS

- airOS is a versatile Ubiquiti firmware technology. It is an intuitive and user-friendly software that requires no training to operate. Behind the user interface is a powerful firmware architecture that enables high performance and outdoor multi-point networking. It features channel shifting, spectral width adjustment, ACK auto-timing, AAP technology, DHCP relay, protocol support, multiple VLAN support, and multi-language support.

### airOS 5 Advanced Operating System

- Built upon an intuitive user interface foundation, airOS 5 is an advanced operating system for airMAX M Series products that provides airMAX protocol support, long-range PtP link mode, automatic/manual transmit power control, automatic distance selection (ACK Timing), device statistics, and diagnostic tools.

### airView Functionality

- airView provides advanced spectrum analyzer functionality. Waterfall (aggregate energy over time for each frequency), waveform (aggregate energy collected), and real-time (energy is shown in real time as a function of frequency) spectral views allow operators to identify noise signatures and plan networks to minimize noise interference. You can also automate airView to record and report results.

### airControl Network Management

- airControl is a powerful and intuitive, Web-based server network management application that allows operators to centrally manage entire networks of Ubiquiti devices. It features a network map, device status monitoring, mass firmware upgrades, Web UI access, support for managing groups of devices, and task scheduling capabilities.