

Item no.: LTU-ROCKET

LTU-ROCKET - 5 GHz PtMP LTU Base Station Radio

348,88 EUR

Item no.: LTU-ROCKET
shipping weight: 0.50 kg
Manufacturer: Ubiquiti



Product Description

LTU-ROCKET - 5 GHz PtMP LTU Base Station Radio

introduces the LTU-Rocket, the first Point-to-MultiPoint (PtMP) base station radio in their LTU(TM) product family. Operating in the 5 GHz frequency band, the LTU-Rocket is a spectrally efficient, noise-resilient PtMP AP specifically designed for wireless ISPs (WISPs).

Primary features of the LTU-Rocket include:

- 600+ Mbps PtMP performance
- Up to 64 client connections per AP
- 2+ Million pps
- Proprietary RF filtering

Superior Performance

LTU is a new, proprietary technology with custom silicon and radio design that breaks through the limitations of 802.11 Wi-Fi technology. This enables LTU to deliver far superior performance over previous airMAX products that are based on 802.11 Wi-Fi. The LTU-Rocket is designed for WISPs from the ground floor up. Its core communications processing engine enables low latency, long-range capability, DFS flexibility, higher constellations, better power output, and improved receive sensitivity.

The LTU-Rocket is designed to be paired with a variety of antennas to suit the needs of each installation. The radio includes a mounting bracket that allows it to be used with a 5 GHz airMAX sector antenna or airMAX omni antenna for a complete 5 GHz PtMP base station. You can even pair three LTU-Rocket radios with the airPrism 5 GHz 3x 30° HD sector antenna for co-location deployments. The LTU-Rocket also works with any CPE device in the LTU family, such as the LTU-Pro.

Channel width flexibility allows independent TX and RX channel frequency configurations anywhere within the radio band to avoid local interference. Channel width options include:

- 10 MHz
- 20 MHz
- 30 MHz
- 40 MHz
- 50 MHz
- Up to 100 MHz

Auto Power Adjustments

By default, the "Auto Output Power" option allows the LTU-Rocket to set the output power (EIRP) to the appropriate level.

The LTU-Rocket can use different frequencies for TX and RX to avoid interference.

The LTU-Rocket's target TX output power controls each station's TX output power. A PtMP network can manage signal levels to enhance network stability and achieve optimal wireless performance with the highest possible modulation.

To manage the LTU-Rocket, you have two options: the LTU Configuration Interface and Management System (UNMS(TM)). Either option lets you manually configure the LTU-Rocket.

The LTU-Rocket can also be used to automatically configure the stations. On each station, use the "Find My AP" feature to scan for APs using the same channel bandwidth, select the appropriate LTU-Rocket, and then use it to configure the station.

Built-in GPS improves synchronization and allows map and Fresnel views on the Dashboard.

- Dimensions: 244 x 82 x 48 mm
- Weight: 0.468 kg
- Enclosure: Die-cast aluminum and Polycarbonate
- RF connectors: (2) RP-SMA weatherproof (CH0, CH1)/(1) SMA weatherproof (GPS)
- GPS antenna: External magnetic base
- Power supply: 24 V, 1 A Gigabit PoE adapter (included)
- Power method: Proprietary 4-pair passive PoE
- Pins: 1, 2; 4, 5+ and 3, 6; 7, 8-
- Max. power consumption: 15 W
- Voltage range: +18 to +54 V DC
- Networking interface: (1) 10/100/1000 Ethernet port
- Mounting: Integrated pole mount (included)/Rocket mount compatible/GPS pole mount (included)
- Operating temperature: -40°C to 55°C (-40°F to 131°F)
- Weatherproofing: IP67
- Certifications: FCC Part 15.407/CE EN 302502 v1.2.1, EN 301 893 v1.7.1

System

- Maximum throughput: 675.84 Mbps
- Maximum range: 100+ km
- Packets per second: 2+ Million
- Encryption: WPA2-PSK (AES)
- Forward error correction: LDPC
- Uplink/downlink ratio: 25/75, 33/67, 50/50
- OS: airOS LTU
- Wireless modes: AP

Specifications

**Scan this QR code to
view the product**
All details, up-to-date
prices and availability

