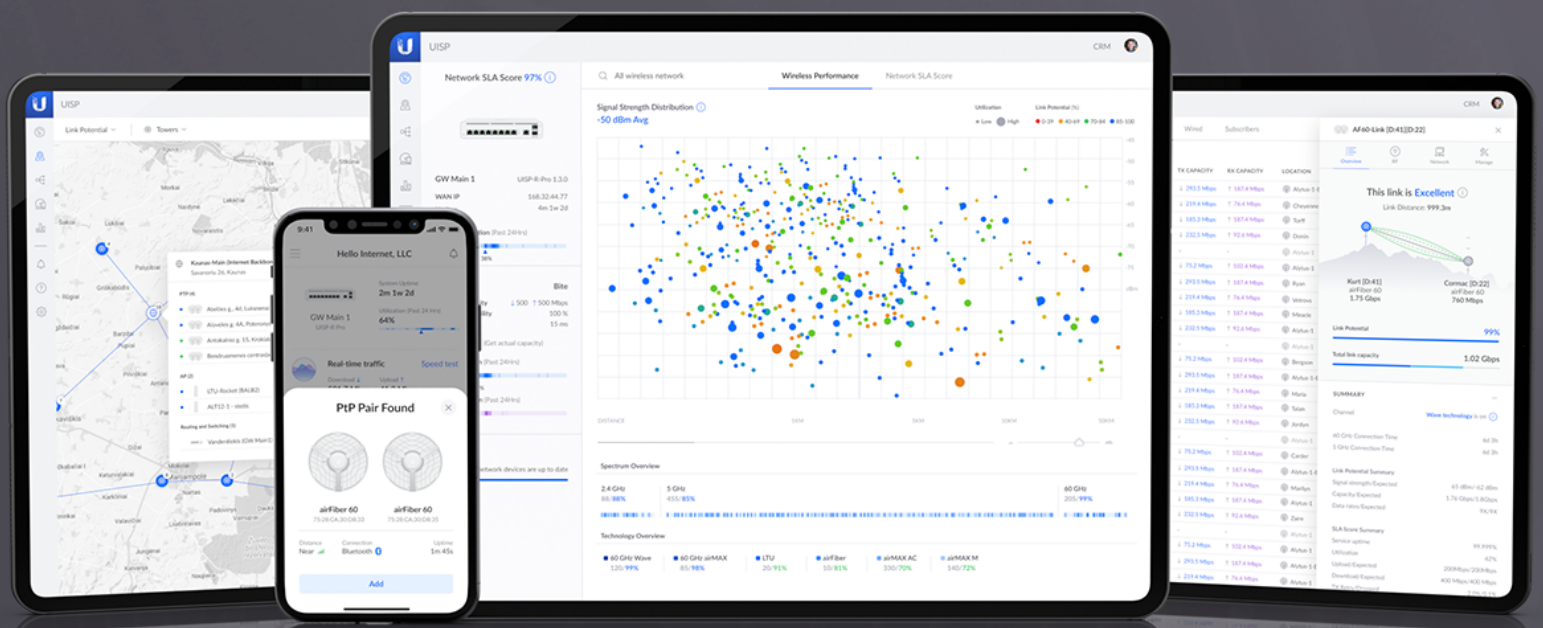
# UISP LTU Instant

Datasheet
LTU-Instant

UISP



# LTU Instant

**5 GHz LTU® client that functions in a point-to-multipoint (PtMP) environment with the LTU Rocket as its base station.**

The LTU Instant is a 5 GHz LTU client that serves as a plug-and-play conversion module for existing LiteBeam® (LBE 5AC Gen2) deployments. Designed to function in a PtMP environment with an LTU Rocket serving as its base station, the LTU Instant delivers up to 550 Mbps of real TCP/IP throughput with its 22dBi high-gain antenna. It also offers a robust feature set including frequency splitting, router mode support, accommodating bandwidth options, and configuration management from the AP side. The LTU Instant can be set up in minutes and fully managed with the UISP™ web application or mobile app.

***Note:*** *The LTU Instant is incompatible with airMAX networks and will not connect to airMAX AC. The LBE 5AC Gen2's antenna stays in place when migrating to the LTU Instant.*

## Mechanical

| | |
|---|---|
| Dimensions | Feed: 201.46 x 64.15 x 56.15 mm (7.93 x 2.53 x 2.21")<br>Antenna: 358 x 271.95 x 288.5 mm (14.09 x 10.71x 11.36") |
| Weight | Feed: 215 g (7.58 oz)<br>Antenna: 890 g (1.96 lb)<br>Antenna with mount: 1.07 kg (2.36 lb) |
| Enclosure material | UV-stabilized polycarbonate |
| Wind loading | 275 N at 200 km/h (61.8 lbf at 125 mph) |
| Weatherproofing | IPX6 |

## Hardware

| | |
|---|---|
| Networking interfaces | (1) GbE RJ45 port |
| LEDs | Power/Ethernet |
| RF connections | Internal |
| Max. power consumption | 8.5W |
| Power method | Passive PoE 2-pair (4, 5+; 7, 8-) |
| Power supply | 24VDC, 0.5A Gigabit PoE adapter (included) |
| Supported voltage range | 22 to 26VDC |
| Operating temperature | -40 to 60° C (-40 to 140° F) |
| Operating humidity | 5 to 95% noncondensing |
| Certifications | FCC, IC, CE |

## System

| | |
|---|---|
| Maximum throughput | 550 Mbps |
| Encryption | WPA2-PSK (AES) |
| Uplink/downlink ratio | 25/75, 33/67, 50/50 |

## Software

| | |
|---|---|
| OS | airOS® |
| Modes | PtMP CPE only |
| Management interface | UISP application (web/mobile) |
| Minimum software requirements | A modern web browser or an iOS/Android device |

## RF

| | |
|---|---|
| Operating frequency* | 5.15 to 5.95 GHz<br>*Dependent on regional regulations. |
| Max. conducted TX power | 22 dBm (per chain) |
| Channel bandwidth | 10/20/30/40/50 MHz |
| Antenna gain | 22 dBi |
| Isolation | 20 dB |

Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at: www.ui.com/support/warranty

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