LTU XR

5 GHz LTU® client that establishes extremely long-distance wireless links with an LTU Rocket serving as its base station.

The LTU XR is a high-performance, cost-effective PtMP CPE for wireless ISPs that can reach up to a 550 Mbps throughput rate. The LTU XR also facilitates independent transmission and receives channel frequency configurations anywhere within its radio band to avoid local interference and ensure superior client performance. Additionally, the LTU XR is equipped with a Bluetooth management radio so it's easy to set up and configure with the UISP™ Mobile app.

Mechanical

Dimensions	747 x 525 x 347 mm (29.41 x 20.67 x 13.66")
Weight	3.2 kg (7.06 lb)
Enclosure materials	Aluminum alloy, UV stabilized polycarbonate
Mount material	UV stabilized polycarbonate
Mount	Integrated pole mount (included) Pole compatibility: Ø35-60 mm (Ø1.38-2.36")
Wind loading	1100 N at 200 km/h (247.29 lbf at 125 mph)
Weatherproofing	IPX6

Hardware

Networking interfaces	(1) GbE RJ45 port
Button	Factory reset
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 55° C (-40 to 131° F)
Operating humidity	5 to 95% non-condensing
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
Services	SNMP, SSH, dynamic DNS, webserver, remote log, ping watchdog

Utilities	airView®, speed test, alignment, discovery, ping, traceroute, cable test, constellation
Auto distance adjustment	Yes
Auto power adjustment	Yes
Network	Router mode
Security	Yes
Statical reporting	Yes
Management interface	Bluetooth management for easy setup over UISP App WEB UI
Minimum software requirements	Modern Web browser or Android/iOS smartphone

RF

Operating frequency*	5.15 to 5.95 GHz *Depends on regulatory region.
Max. conducted TX power	25 dBm
Channel bandwidth	10/20/30/40/50 MHz
Antenna Gain	29 dBi
Isolation	20 dB
Beamwidth	HPOL: 3 dB: 5.5°, 6 dB: 7.5° VPOL: 3 dB: 5.5°, 6 dB: 7.5° Elevation: 3 dB: 5.5°, 6 dB: 7.5°
Electrical downtilt	0°