UISP | Datasheet
LTU-XR

LTU Extreme-Range



UI.COM

Mechanical

Dimensions	747 x 525 x 347 mm (29.4 x 20.7 x 13.7")
Weight	3.2 kg (7.1 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
Power method	Passive PoE 2-pair (4, 5+; 7, 8-)
Power supply	24V DC, 0.5A Gigabit PoE adapter (Included)
Supported voltage range	22—26V DC
Max. power consumption	8.5W
RF connections	Internal
LEDs	Power/Ethernet
Button	Factory reset
Operating temperature	-40 to 55° C (-40 to 131° F)
Operating humidity	5 to 95% noncondensing
Certifications	FCC, IC, CE

Software

Modes	PtMP CPE, PtP* *1.5.1 and later 1.5.x series firmware.
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	Bridge/Router* mode *Router mode is available in PtMP CPE mode only.
Security	Yes
Statical reporting	Yes
Management interface	Bluetooth management for easy setup over UISP App WEB UI
Minimum software requirements	Any modern web browser iOS™ or Android™ based smartphone

System

Maximum throughput	900+ Mbps* *FW version 2.3.0 and later.
Encryption	WPA2-PSK (AES)
Uplink/downlink ratio	25/75, 33/67, 50/50

RF

Operating frequency*	5.15 to 5.95 GHz *Depends on regulatory region.
Max. conducted TX power	22 dBm per Chain
Channel bandwidth	10/20/30/40/50/60/80/100 MHz* *FW version 2.3.0 and later.
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°

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