



Package content



power horn



center reflector panel



Side reflector panels
(qty: 2)



Mounting bracket



Back case



Pivot Panels (Qty: 2)



M4 SEM screws (qty: 8)



M8 SEM screws (qty: 4)



Metal strips (qty: 3)



Gigabit PoE (24V, 0.5A) with



Power cord

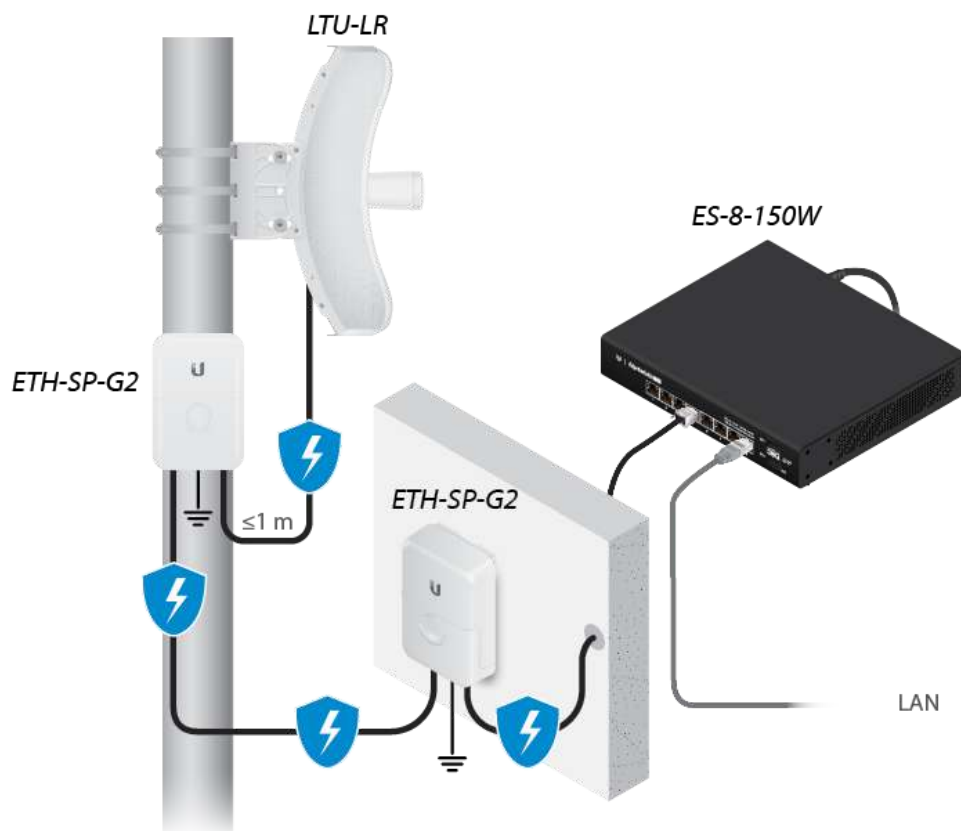


installation requirements

- PtMP LTU access point (such as the LTU-Rocket model).
- Phillips screwdriver
- 13mm wrench
- 8mm socket wrench or screwdriver
- Surge protection must be used on all outdoor installations. We recommend that you use two Ethernet surge protectors (model ETH-SP-G2), one near the device and the other at the building entry point. The ETH-SP-G2 will absorb surge voltages and safely discharge them to the ground.



Note: For guidelines on grounding and lightning protection, follow local electrical regulation codes.



- Category 6 (or higher) shielded cabling and RJ45 shielded connectors are required for all Ethernet cable connections.

Device overview



1 LAN LEDs

The LED indicator will be solid blue when the device is connected to an Ethernet network through the Ethernet port and will blink if there is activity.

2 Power LEDs

The LED will light blue when the device is connected to a power source.

3 Reset button

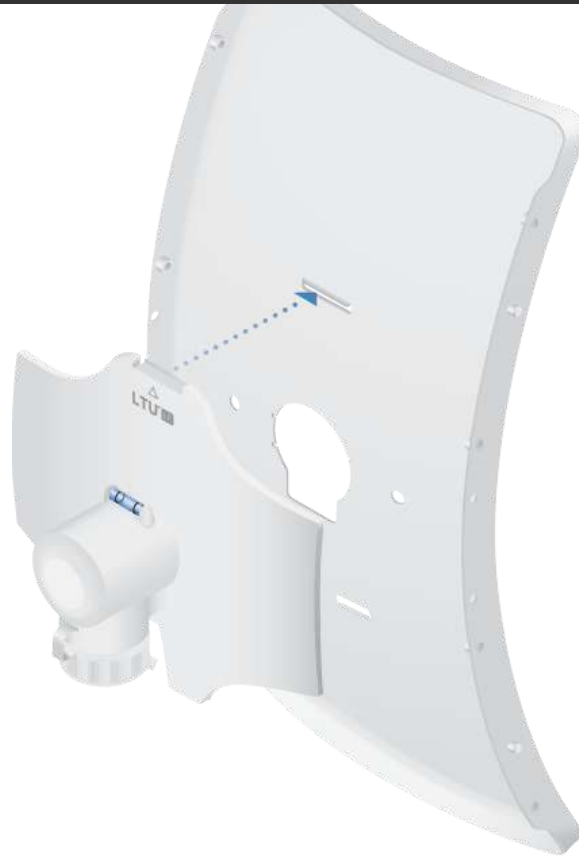
To restore factory defaults, press and hold the Reset button for more than 10 seconds while the device is powered on.

4 PoE input (24V) port

This 10/100/1000 Ethernet port is used to connect power and must be connected to the LAN. Default IP address: 192.168.1.20

Device installation

1.

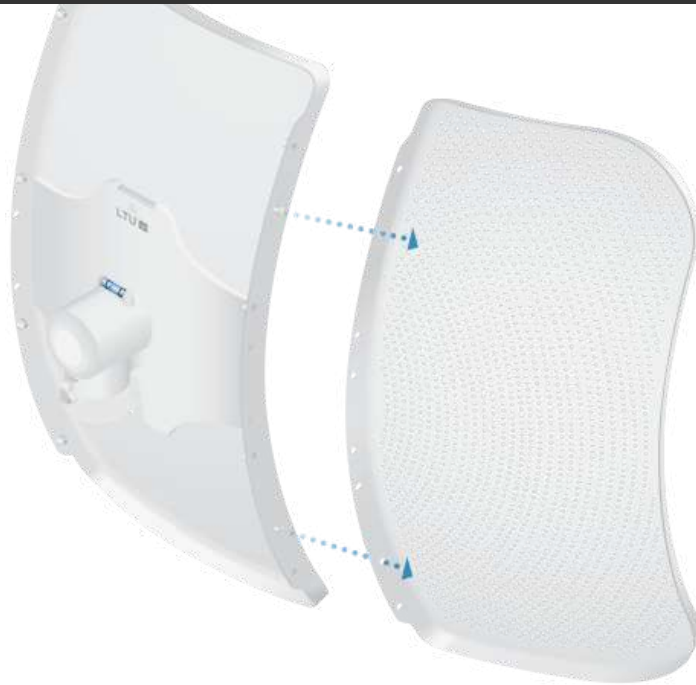


2.





4.



5.



6.



7.



8.



9.



10.

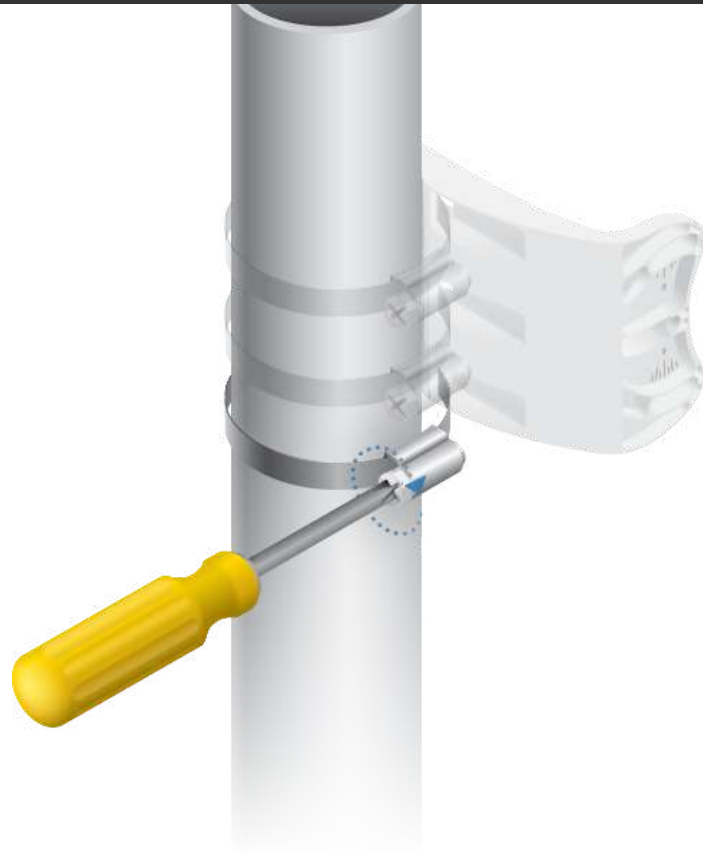


pole mount

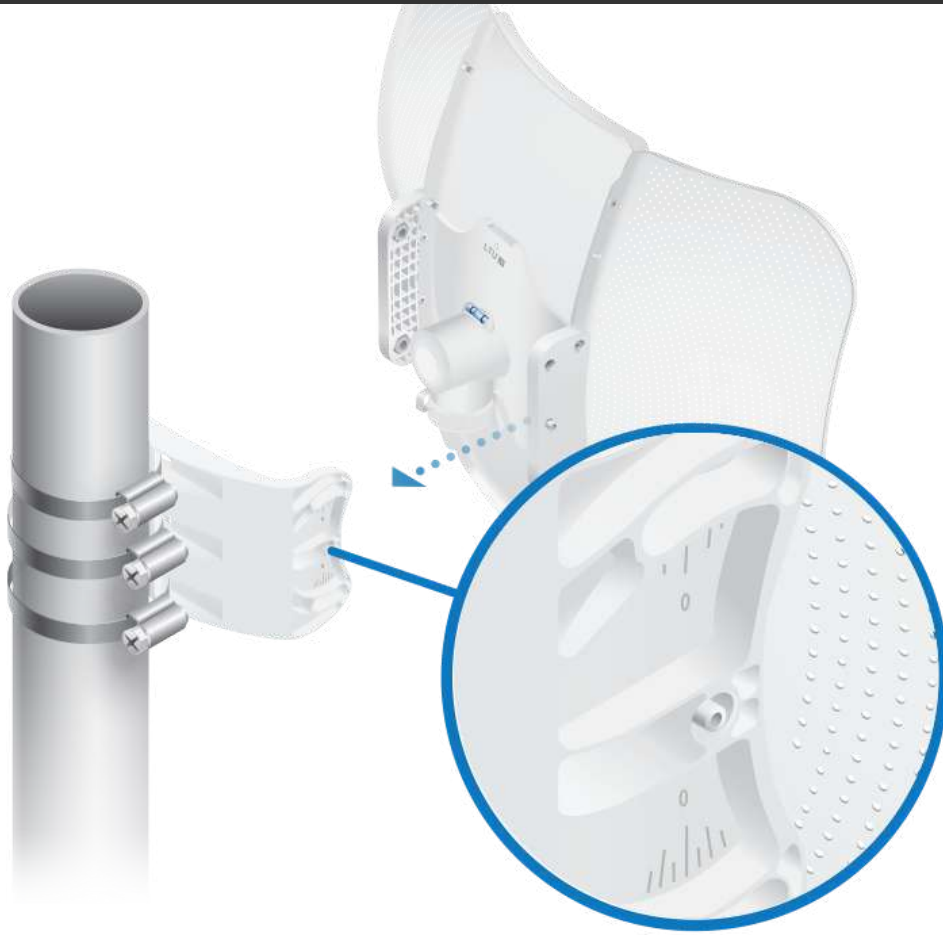
1.



2.



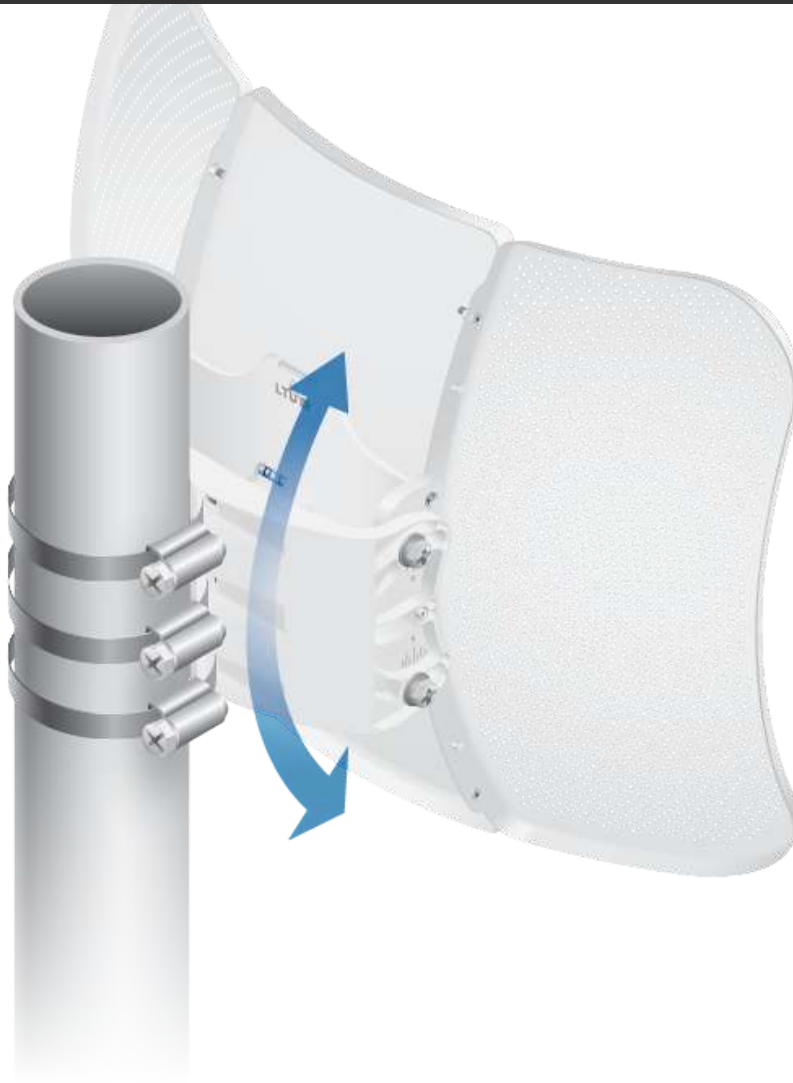
3.



4.



5.



6.



Power connection



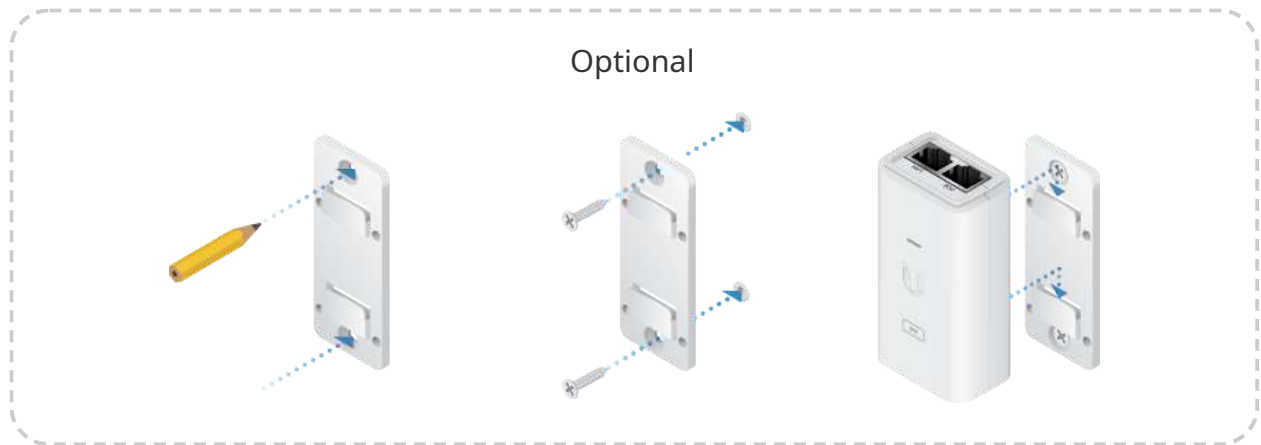
WARNING: The port switch must meet the power specifications listed in the section "[Specifications](#)".



EITHER



Optional



Access to the configuration interface

1. Check that your host is connected via Ethernet to the device.
2. Configure the Ethernet adapter on your host system with a static IP address on the 192.168.1.x subnet.
3. Launch your web browser and type <https://192.168.1.20> in the address field. Press Enter (PC) or Return (Mac).



4. Select your language and country. You must agree to the Terms of Use, EULA and Privacy Policy to use the product. Click Continue.


The screenshot shows the LTU configuration interface. At the top left is the Ubiquiti logo and 'LTU'. The main heading is 'Please Setup Your Device'. Below this are two dropdown menus: 'DEVICE COUNTRY' with 'Select Country' and 'LANGUAGE' with 'English'. Underneath is a 'TERMS OF USE' section with a paragraph of text and a checkbox labeled 'I agree to the Ubiquiti TERMS OF USE, EULA and PRIVACY POLICY'. A 'Continue' button is at the bottom right. At the bottom of the interface are icons for UNMS, speed.lit.com, ULink, and WFiMan.

The LTU configuration interface will open allowing you to customize your settings as needed. To set up the hotspot from your device, go to [Find My AP](#) .

UNMS Management

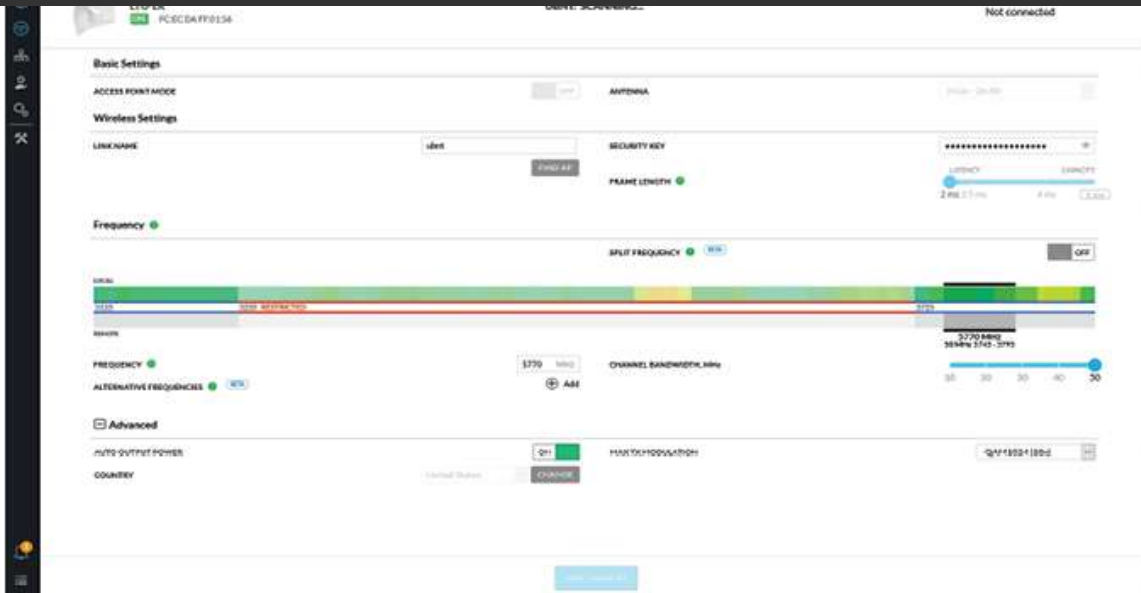
You can manage the device through the UNMS, which allows you to configure, monitor, update and back up your devices through a single application. To get started, go to www.unms.com

find my hotspot

1. Click on the icon. 
2. In the Wireless Settings section, adjust the channel bandwidth (default: 20 MHz) according to your needs.



Note: If the access point's channel bandwidth is set to 50 MHz and your device is set to 20 MHz, the device will not detect that access point and you need to change the channel bandwidth on the device.



3. Click Find AP.
4. The device will search for nearby access points. Click Select on the appropriate access point. To scan again, click Scan.

The 'FIND MY AP' dialog box displays a table of detected access points. The table has columns for Link Name, Frequency, Channel Width, Signal, DL/UL Ratio, and Frame Length. Three access points are listed, each with a 'SELECT' button. A 'SCAN' button is located at the bottom right of the dialog.

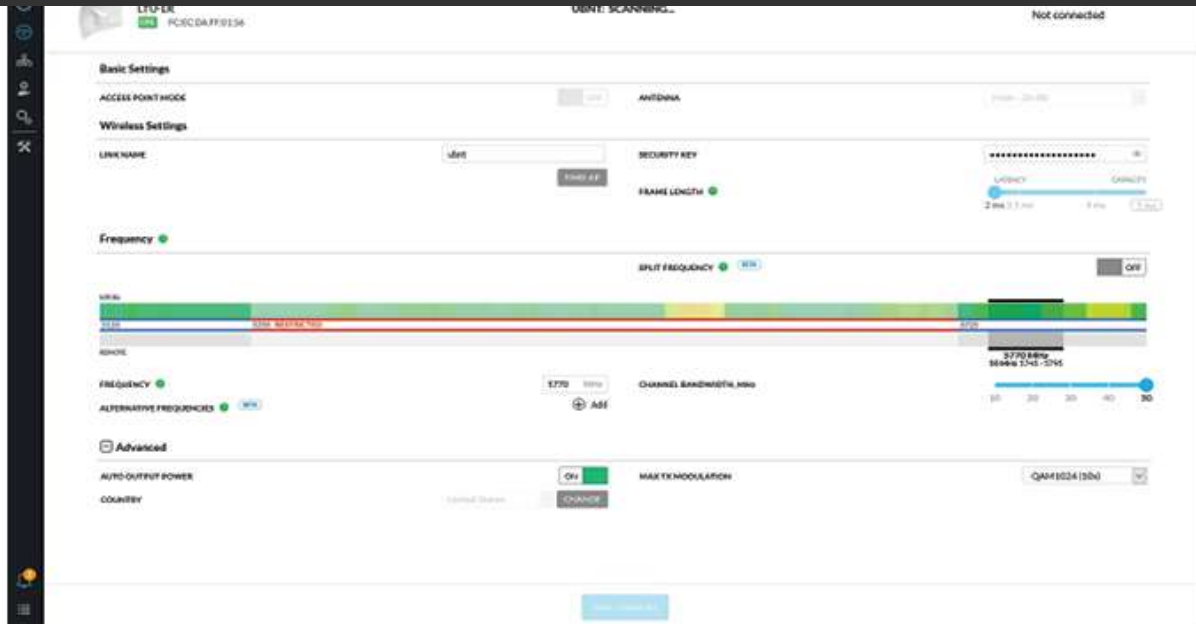
LINK NAME ↑	FREQUENCY	CHANNEL WIDTH	SIGNAL	DL/UL RATIO	FRAME LENGTH	
UBNT-DELAY 78:8A:20:5F:56:C6	5800 Mhz	40 Mhz	-59 dBm -62 dBm	50% / 50%	2 ms	SELECT
UBNT_PTMP 78:8A:20:5F:BA:E3	5685 Mhz	40 Mhz	-47 dBm -54 dBm	50% / 50%	2 ms	SELECT
UBNT_PTMP 78:8A:20:5F:C3:BA	5685 Mhz	40 Mhz	-48 dBm -54 dBm	67% / 33%	2 ms	SELECT

3 Access Points found

5. Follow the instructions on the screen.

Installer Compliance Responsibility

Devices must be professionally installed and it is the responsibility of the professional installer to ensure that the device is operational in accordance with country specific regulatory requirements.



Antenna

Select your antenna from the list. If the option to calculate EIRP is enabled, the transmission output power is automatically adjusted to comply with the applicable country regulations. In a custom antenna setup, the antenna gain is entered manually. Please note the antenna types and requirements listed below.

Cable loss (if applicable)

Enter the cable loss in dB. The output power is adjusted to compensate for the losses between the radio and the antenna.

Certified types of antenna

This FCC ID: SWX-LTULRR / IC: LTULRR radio transmitter is approved by the FCC and ISED Canada to operate with the antenna types listed below with the maximum allowable gain indicated for each antenna type. Antenna types not included in this list or having a gain greater than the maximum gain indicated for that type are strictly prohibited for use with this device.

Antenna	Frequency	Revenue
Rack	5GHz	26 dBi
Power Only (Omni)	5GHz	3 dBi

Specifications



start guideLTOR of LTU-LR

Dimensions	512.5 x 385.75 x 258.3mm (20.18 x 15.19 x 10.17")
Weight with mount	1,360 kg (2,998 lb) 1,735 kg (3,825 lb)
network interface	(1) 10/100/1000 Ethernet port
Material	UV stabilized plastic exterior
maximum power consumption	8.5W
Power supply	24V, Gigabit PoE adapter, 0.5A
feeding method	24V Passive PoE (pairs 4, 5+; 7, 8-)
Supported voltage range	22 - 26V
Revenue	26 dBi
Maximum transmit power	22dBm
Mounting	Pole mount (kit included)
wind load	550 N @ 200 km/h (123.6 lbf @ 125 mph)
Wind resistance	200km/h (125mph)
ESD/EMP protection	± 24 kV contact/air
Operating temperature	-40°C to 60°C (-40°F to 140°F)
operating humidity	5 to 95% non-condensing
Certifications	CE, FCC, IC

Operating frequency (MHz)		
All over the world		4800 - 6200*
USA/CA	U-NII-1	5150 - 5250
	U-NII-2A	5250 - 5350
	U-NII-2C	5470 - 5725
	U-NII-3	5725 - 5850

* It depends on the regulations of the region.

Radio Management (MHz)	
All over the world	2400 - 2483.5



1. Read, follow and save these instructions.
2. Pay attention to all warnings.
3. Only use the devices or accessories indicated by the manufacturer.



WARNING: Do not use this product in a place where it may be submerged in water.



WARNING: Avoid using this product during a lightning storm. There is a remote possibility of an electrical discharge caused by lightning.

electrical safety information

1. It is mandatory to comply with the current, frequency and voltage requirements indicated on the manufacturer's label. Connection to a power source other than those specified may result in malfunction, equipment damage, or fire hazard if limitations are not followed.
 2. This equipment contains no operator-serviceable parts. Only a qualified service technician should provide services.
 3. This equipment is supplied with a detachable power cord that has an integral safety ground wire designed to be connected to a safety ground.
 - a. Do not substitute the power cord with one other than the approved type provided. Never use an adapter plug to connect to a two-wire outlet, as it will break the continuity of the ground wire.
 - b. The equipment requires the use of the ground wire as part of the safety certification. Modification or misuse can create a shock hazard, which could cause serious injury or death.
 - c. If you have any questions about the installation, contact a qualified electrician or the manufacturer before connecting the equipment.
 - d. The indicated AC adapter provides a safety ground. For installation in a building, adequate short-circuit back-up protection must be provided.
- and. A protective connection must be installed in accordance with national wiring rules and regulations.

limited warranty

ui.com/support/warranty

The limited warranty requires arbitration to resolve disputes on a case-by-case basis and, where appropriate, specifying arbitration instead of jury trials or class actions.

Compliance

FCC



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions.

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide acceptable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

The FCC has approved this radio transmitter.

ISED Canada

CAN ICES-3(A)/NMB-3(A)

This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

ISED Canada has approved this radio transmitter.

The device for operation in the 5150-5250 MHz band is intended for indoor use only to reduce the possibility of harmful interference to co-channel mobile satellite systems.

IMPORTANT NOTE

Radiation Exposure Statement:

- This equipment complies with radiation exposure limits set forth for an uncontrolled environment.
- This equipment should be installed and used with a minimum distance of 103 cm between the radiator and your body.
- This transmitter must not be co-located or used in conjunction with any other antenna or transmitter.

Australia and New Zealand



Warning: This equipment is compliant with Class A of CISPR 32. In a residential environment, this equipment may cause radio interference.



Note: This equipment is not intended for protection against harmful interference and may not cause interference in duly authorized systems.

CE marking

The CE marking of this product indicates that the product complies with all applicable directives.



country list



AT	BE	B.G.	CY	C.Z.	OF	DK	EE	HE	IS	IF	FR	HR	HU
IE	IT	LV	LT	MO	MT	NL	PL	PT	RO	HE	YE	SK	UK

Members with broadband fixed wireless access are highlighted in blue



Note: This device complies with the maximum transmit power limit per ETSI regulations.

The following shall apply to products operating in the 5 GHz frequency range:



Note: This device is only suitable for indoor use when operating in the frequency range of 5150 - 5350 MHz in all member states.



Note: Operation in the 5.8 GHz frequency band is prohibited in member states with fixed broadband wireless access. The rest of the listed countries can use the 5.8 GHz frequency band.

WEEE Compliance Statement

Declaration of conformity

online resources



LTU-LR Quick Start Guide



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