

## UF-LOCO Quick Start Guide

### Package content



UFiber loco



wall mount bracket



Screws (qty: 4)



Screw plugs (qty: 4)



power adapter  
Micro-USB\* (5 V, 1 A)

*Included only in the single package of the UF-LOCO.*

### System Requirements

- Linux, Mac OS X o Microsoft Windows 7/8/10
- Web browser: Google Chrome (other browsers may have limited functionality)

### Before starting

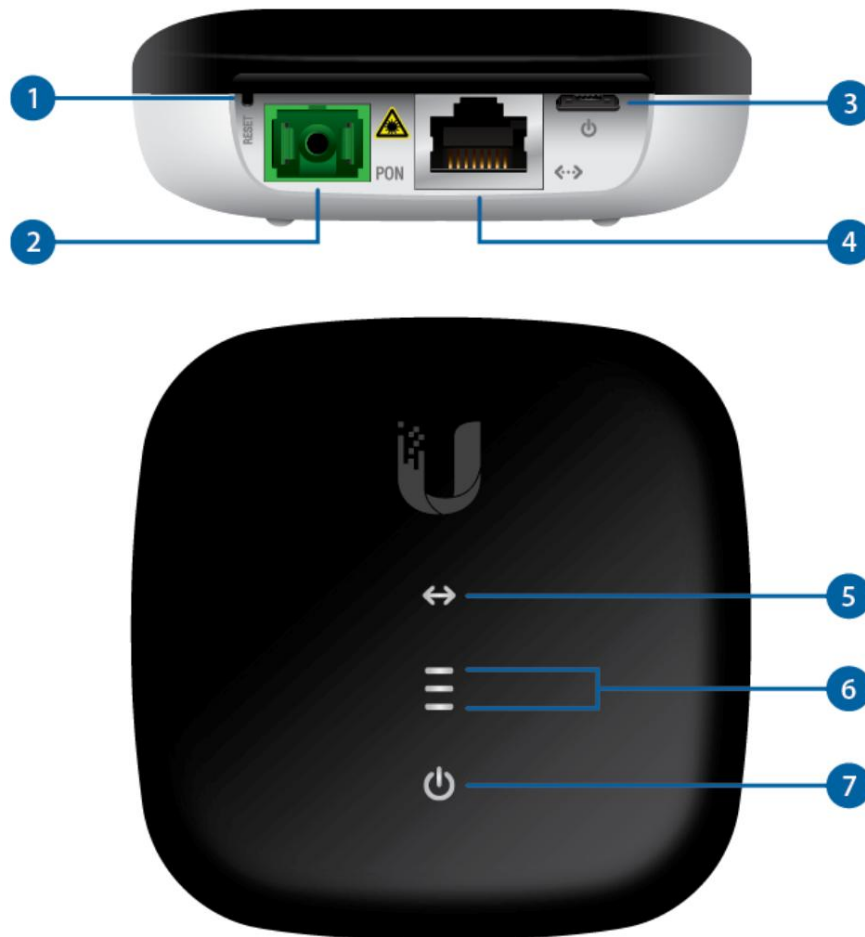
Designing your first deployment of a GPON network requires specific planning and knowledge. For more information on designing and installing a GPON network, including important considerations and best practices, see:

- [ubnt.link/UFiber-GPON-Getting-Started](http://ubnt.link/UFiber-GPON-Getting-Started)
- [ubnt.link/Designing-a-GPON-Network](http://ubnt.link/Designing-a-GPON-Network)

To learn more about how to configure UFiber devices for the first time to allow the Optical Network Unit (ONU) LAN ports to provide

connectivity, see: [ubnt.link/UFiber-Initial-Configuration](http://ubnt.link/UFiber-Initial-Configuration)  
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## hardware description



### 1 Reset button

The Reset button has two functions for the UF-LOCO:

- **Reset** – Quickly press and release the Reset button. All three signal LEDs will flash amber.
- **Restore Factory Default Settings**: Press and hold the Reset button for more than five seconds.



### 2 Puerto PON

The GPON SC/APC port supports 2.488 Gbps downstream and 1.244 Gbps upstream WAN connections.

### 3 power port

Micro-USB power adapter connects to this port to supply power.

#### 4 ethernet power

The RJ45 Ethernet LAN port supports 10/100/1000 Mbps connections and 24V passive PoE to power the device.

#### 5 LED the Ethernet

disabled

No ethernet connection

White

With ethernet connection

#### 6 LED signal indicators

disabled

Start



Signal strength: low  
 $\ddot{y}$  -28 dBm



Signal strength: good  
 $\ddot{y}$  -25 dBm



Signal strength: strong  
 $\ddot{y}$  -11 dBm



Signal strength: too low  
 $<$  -28 dBm  
 Check the quality of the fiber connection and calculate the total optical loss of the optical splitters.




Signal strength: too strong  
 $\ddot{y}$  -8 dBm  
 Add an optical splitter or a 5 or 10 dB optical attenuator.



No signal

UF-LOCO Quick Start Guide make sure the OLT is  
 Check the fiber cables and connectors and working properly.

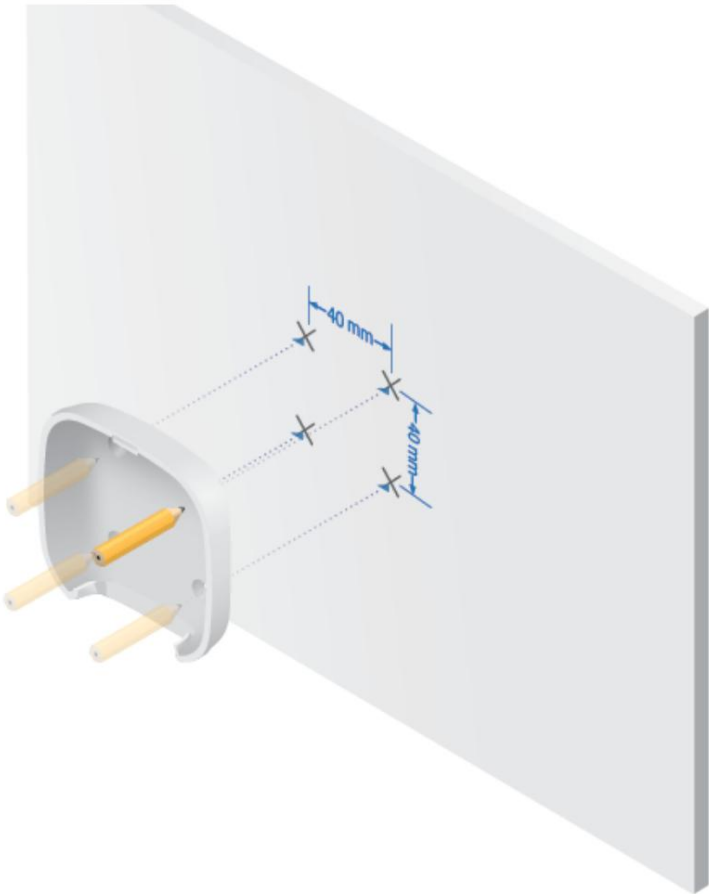
	<p>no authority</p> <p>The UF-LOCO has not been authorized or it cannot communicate with the OLT. Check passwords and OLT settings.</p>
<p><b>7</b> Power LEDs</p>	
<p>disabled</p>	<p>Off</p>
<p>White</p>	<p>Switched on</p>

## hardware installation

### wall mount

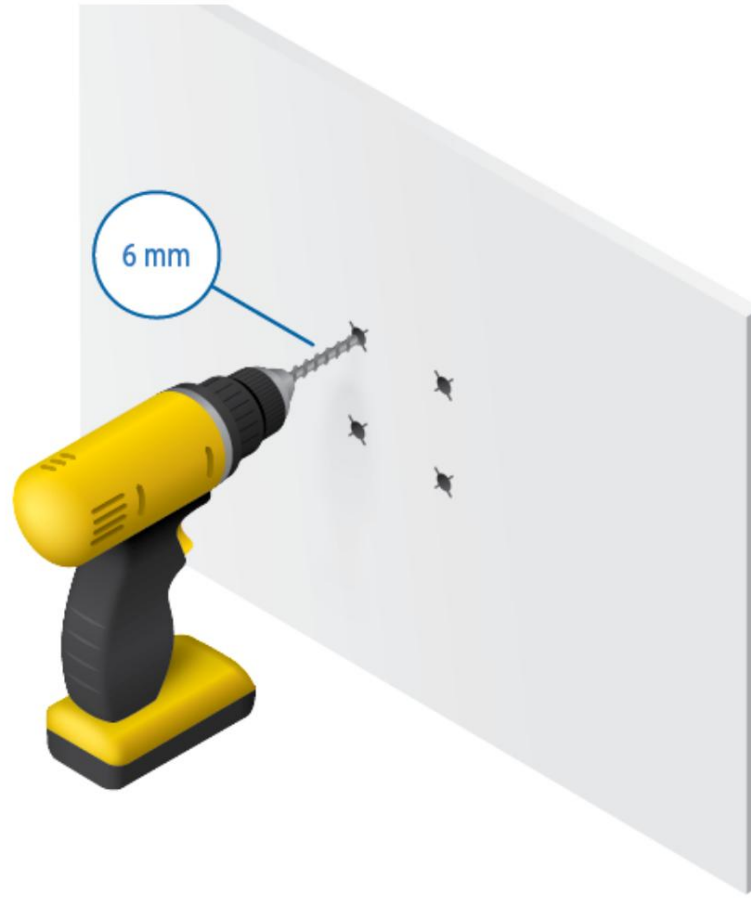
1.

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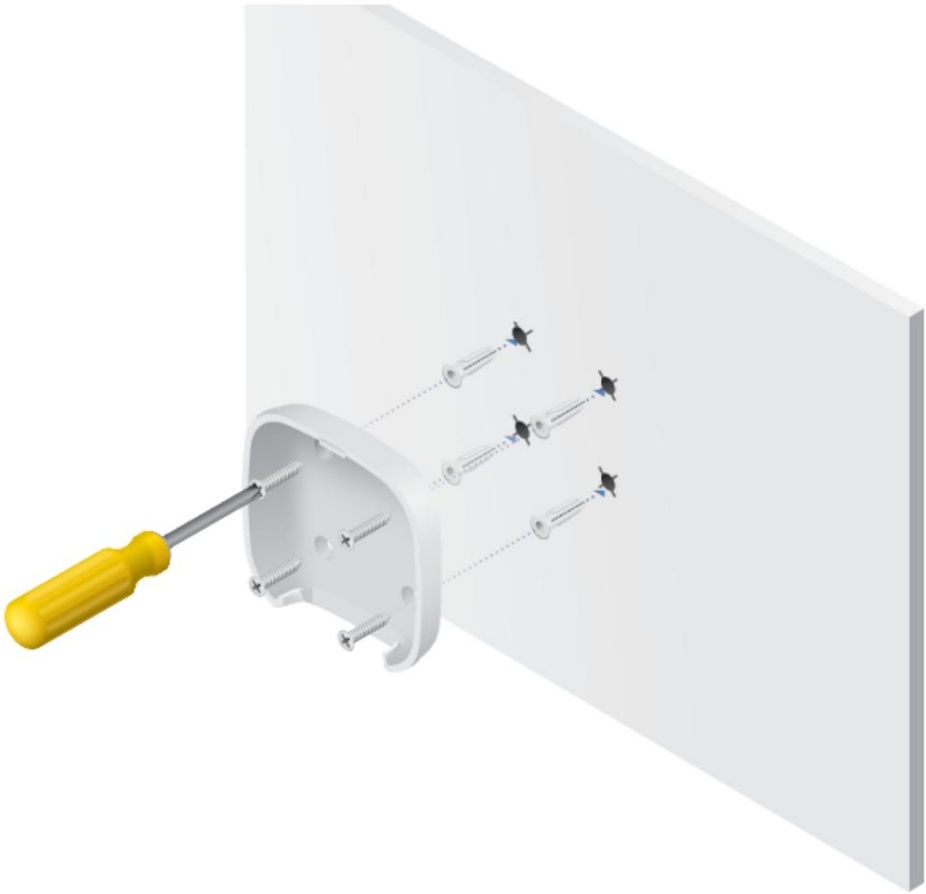
2.

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3.

# UF-LOCO Quick Start Guide






4.

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### fiber connection

-  **WARNING:** Never look directly into the ends of the fiber or modules. The light they emit can cause eye damage.
-  **WARNING:** Until ready to use, keep fiber patch cables and modules covered with the included protective caps to ensure connections remain clean.
-  **WARNING:** DO NOT connect the device directly to a UFiber GPON module (UF-GP-B+ or UF-GP-C+). Doing so will damage the optics of the device. Make sure that the signal level received by the device never exceeds -8 dBm. Use a UFiber PLC splitter to add attenuation as needed.



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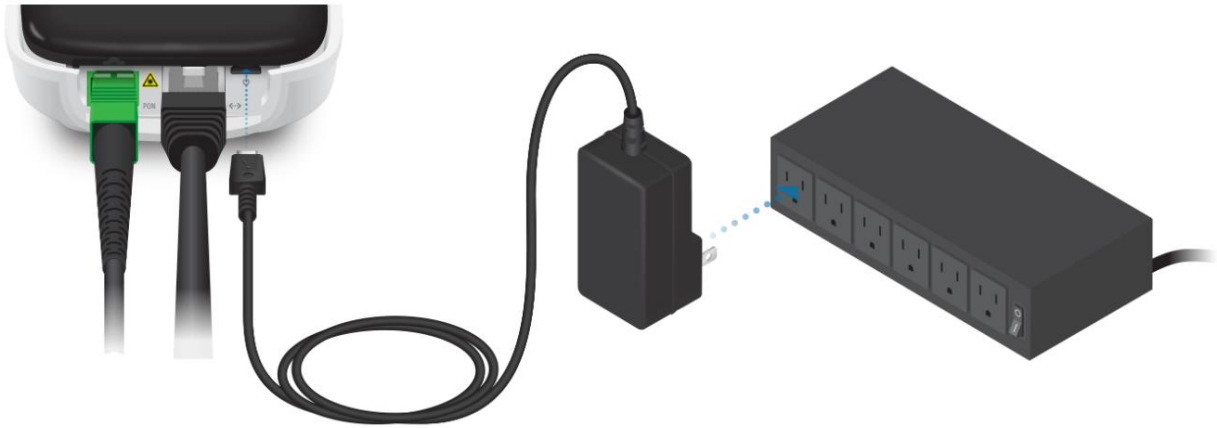


### LAN connection



### Power connection

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○



**Note:** The airCube provides Wi-Fi connectivity with a PoE gateway, making it the ideal complement to the UF-LOCO in CPE installations.



○



**WARNING:** The port switch must meet the power specifications listed in this quick start guide.

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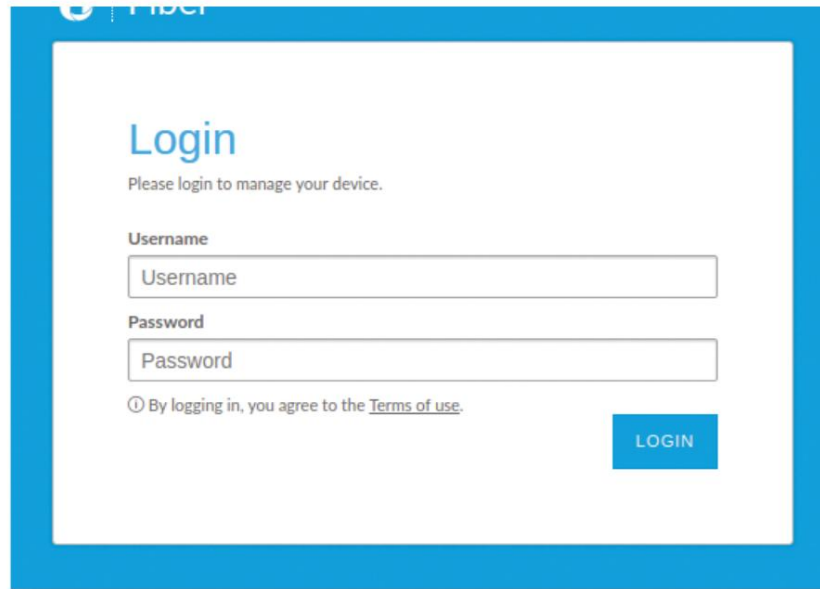
### Access to the configuration interface

1. Make sure your computer (or other host system) is connected 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 the web browser. Type `http://192.168.1.1` in the address field. Press Enter (PC) or Return (Mac).



4. Enter `ubnt` in the Username and Password fields. Click Login.

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**UFiber**

## Login

Please login to manage your device.

**Username**

**Password**


By logging in, you agree to the [Terms of use](#).

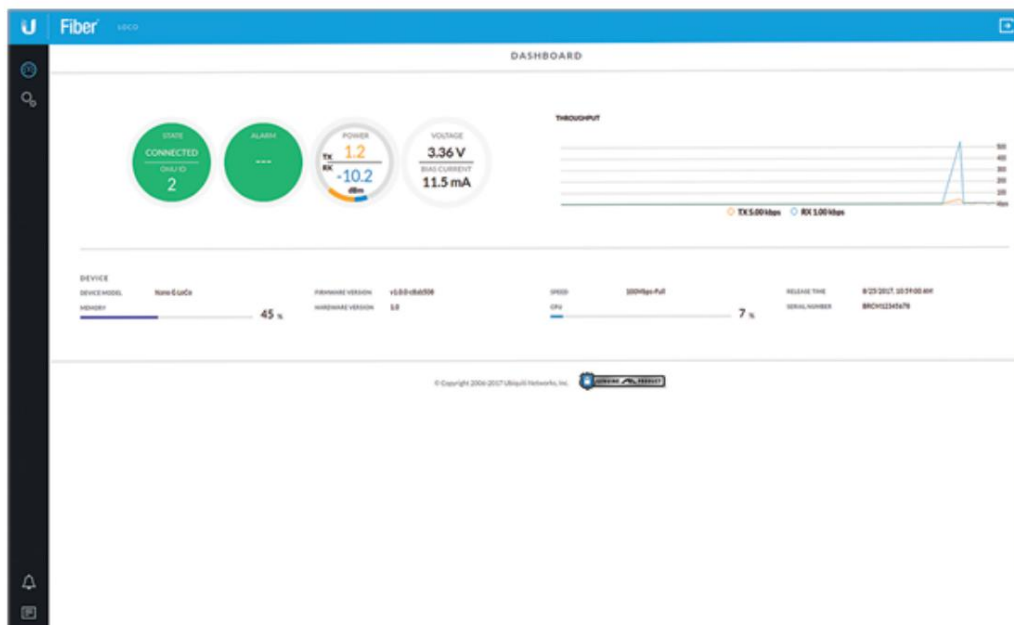
**LOGIN**

Customize the settings as needed. For more information, see UFiber's resources, which are available at: <http://ubnt.link/UFiber-Support>

## OLT Compatibility Profiles

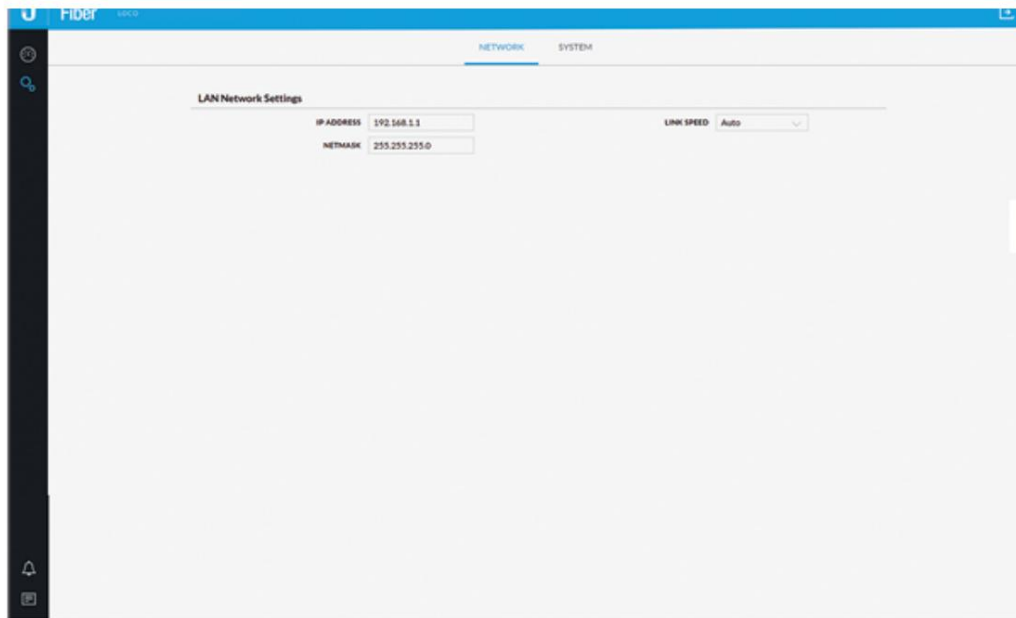
The device is compatible with most major OLT (Optical Line Terminal) brands and offers four compatibility profiles. By default, the device is set to Profile 1 - UFiber OLT from Ubiquiti. For other brands, manually select Profile 2, 3 or 4.

1. Log in to the UFiber configuration interface.
2. Go to Settings . 



3. On the Network screen, click the System tab

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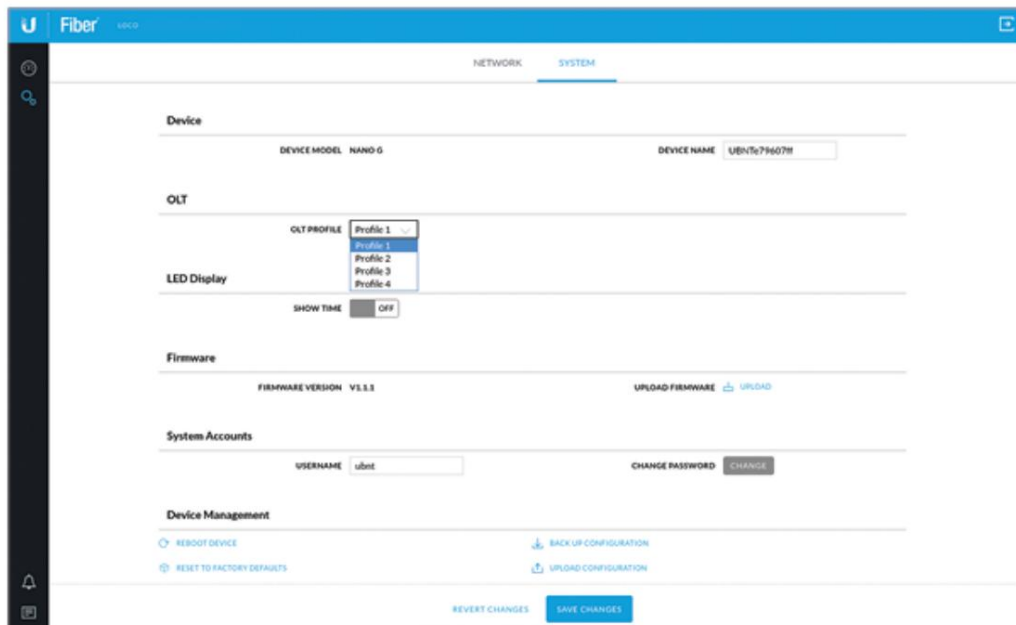


4. Select the appropriate profile from the OLT Profile dropdown menu:

- Profile 1 (Profile 1) OLT UFiber from Ubiquiti
- Profile 2 (Profile 2) Other brands
- Profile 3 (Profile 3) Other brands
- Profile 4 (Profile 4) Other brands



Note: For more information, visit: [https://ubnt.link/Supported-3rd Party-OLTs](https://ubnt.link/Supported-3rd-Party-OLTs)



5. Click Save Changes.

The device will automatically reboot with the new profile.

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### specs

UF-LOCO	
Dimensions	76,5 x 76,5 x 26,4 mm (3,01 x 3,01 x 1,04")
Weight	77 g (2,72 oz)
Interfaces de red	(1) WAN GPON SC/APC (1) LAN Ethernet RJ45
Network interface speeds	(1) GPON WAN, ITU G.984, 2.488 Gbps down, 1.244 Gbps up (1) GbE LAN, 10/100/1000 Mbps
control interface	Ethernet and bandwidth POUNDS
Normal Optical Power Range	TX (Clase B+): 1,5 a 5 dBm RX: -28 a -8 dBm
feeding method	Micro-USB: 5 V; 1 A 24V passive PoE (outlets: +4.5; -7.8)
Power supply	Micro-USB power adapter*: 5V; 1A
maximum power consumption	3,5W
Supported voltage range	4.7 and 5.3 V
processor specifications	MIPS 32, 240 MHz
memory information	128 MB DDR3
Button	(1) Reset
Operating temperature	-10° C to 45° C (14° F to 113° F)
operating humidity	10 to 90% non-condensing
Certifications	CE, FCC, IC

**\* Included only in the single package of the UF-LOCO.**

### safety instructions

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:** To reduce the risk of fire or electric shock, do not expose the

product to rain or moisture.

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**WARNING:** Do not use this product in a location 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.



**WARNING:** CLASS 1 LASER PRODUCT: Do not look at the ends of the fiber optic cable or SFP modules when the converters are powered on.

## 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.

## limited warranty

[ui.com/support/warranty](http://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

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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, and 2. This device must accept any interference, 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 protect the equipment, to the extent possible, from harmful interference when it 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.

# ISED from Canada UF-LOCO Quick Start Guide

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

## Australia and New Zealand



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

## CE marked

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



## WEEE Compliance Statement

## Declaration of conformity

## online resources

