Package content

UFiber UF-WIFI

Screws (qty: 4)

Screw plugs (qty: 4)

Power adapter (24 V, 0.5A)

System Requirements

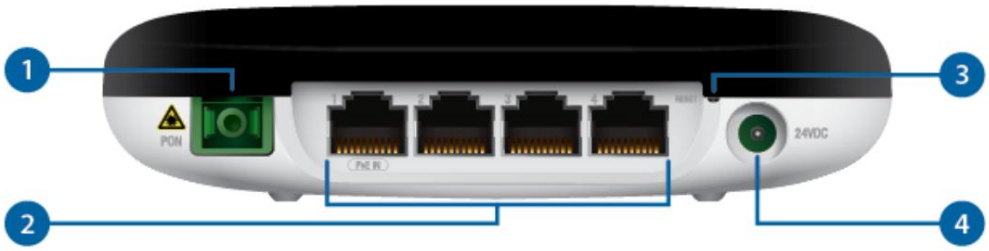
- Linux, Mac OS X o Microsoft Windows 7/8/10
- Web browser: Google Chrome (other browsers may have limited functionality)

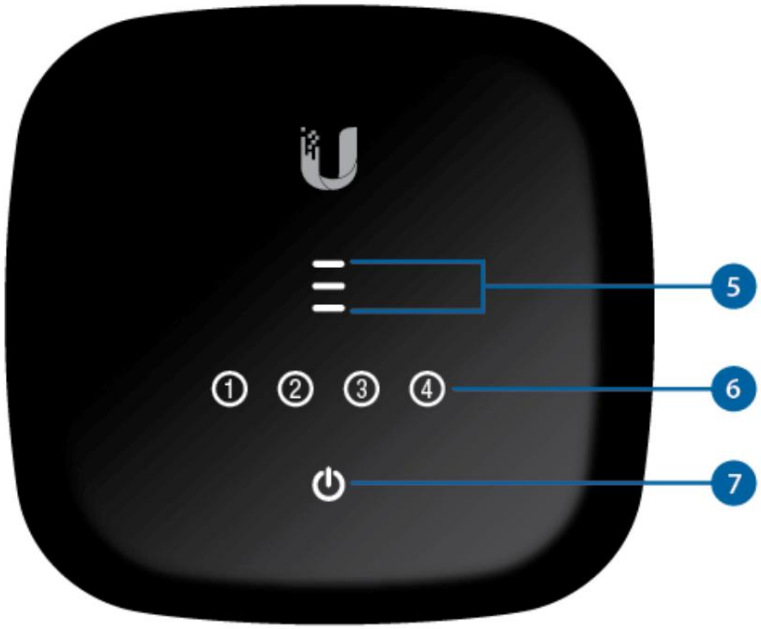
Before starting

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
- ubnt.link/Designing-a-GPON-Network

To learn how to configure UFiber devices for the first time to allow the LAN ports of the Optical Network Unit (ONU) to provide connectivity, see: ubnt.link/UFiber-Initial-Configuration





1 Puerto PON	
The GPON SC/APC port supports 2.488 Gbps downstream and 1.244 Gbps upstream WAN connections.	
2 LAN (ports 1 - 4)	
The RJ45 Ethernet LAN ports support 10/100/1000 Mbps connections. Port 1 also supports 24V passive PoE to power the device.	
3 Reset button	
The Reset button has two functions for the UF-WIFI: • 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.	

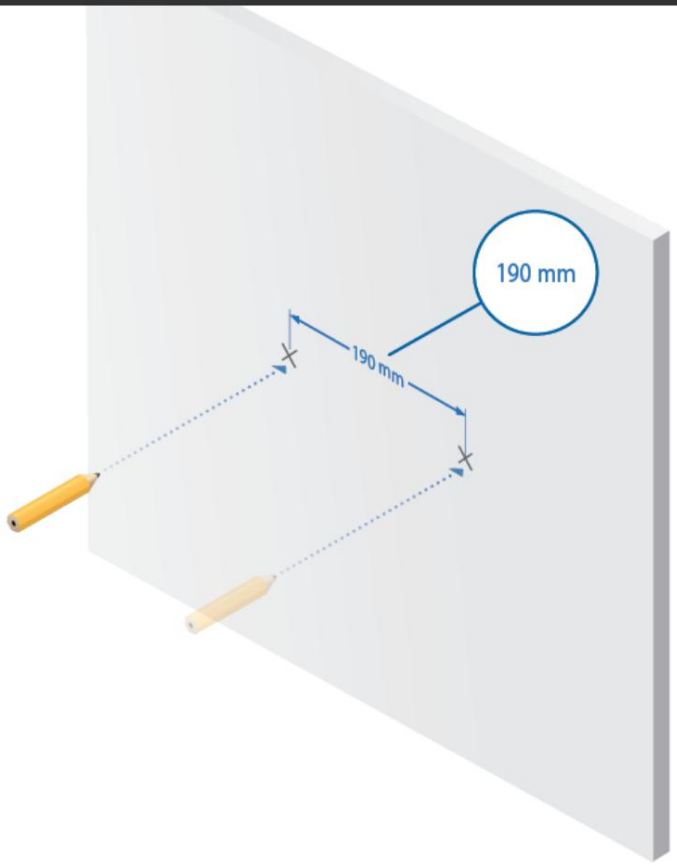
4 power port	
The power adapter connects to this port to supply power.	
White	With ethernet connection
5 LED signal indicators	
disabled	Beginning
	Signal strength: low ÿ -28 dBm
	Signal strength: good ÿ -25 dBm
	Signal strength: strong ÿ -11 dBm
	Signal strength: too low < -28 dBm Check the quality of the fiber connection and calculate the total optical loss of the optical splitters.
	Signal strength: too strong ÿ -8 dBm Add an optical splitter or a 5 or 10 dB optical attenuator.
	No signal Check the fiber cables and connectors and make sure the OLT is working properly.

	WIFI has not been authorized or it cannot communicate with the OLT. Check passwords and OLT settings.
6 LED the Ethernet	
disabled	No ethernet connection
White	With ethernet connection Blinking indicates activity
7 Power LEDs	
disabled	Off
White	Switched on

hardware installation

wall mount

1.



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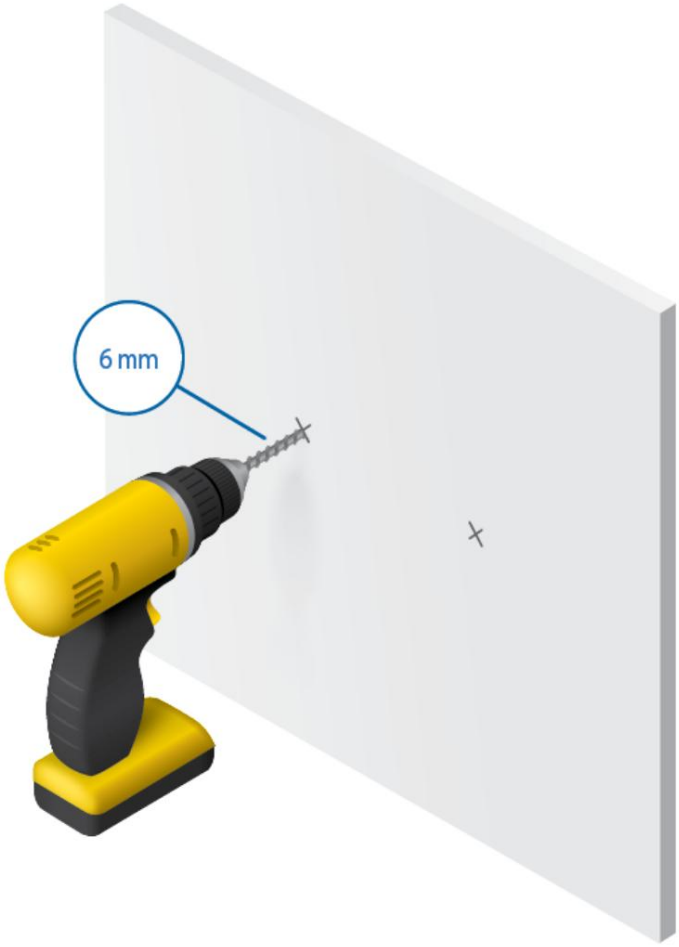
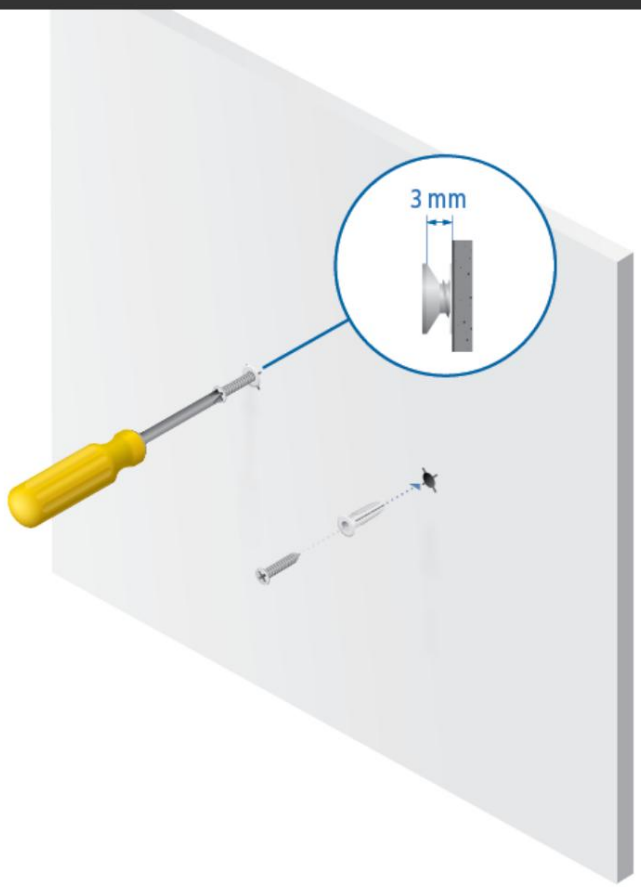




4.

fiber connection

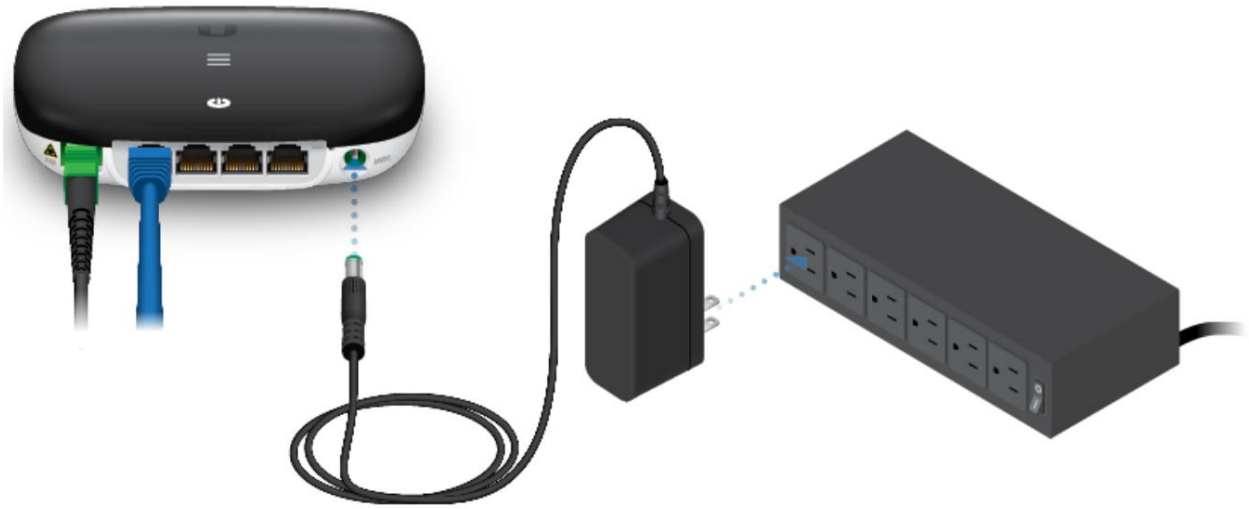
WARNING: Never look directly into the ends of the fiber or modules. The light they emit can cause eye damage.

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.

LAN connection

Power connection



THE

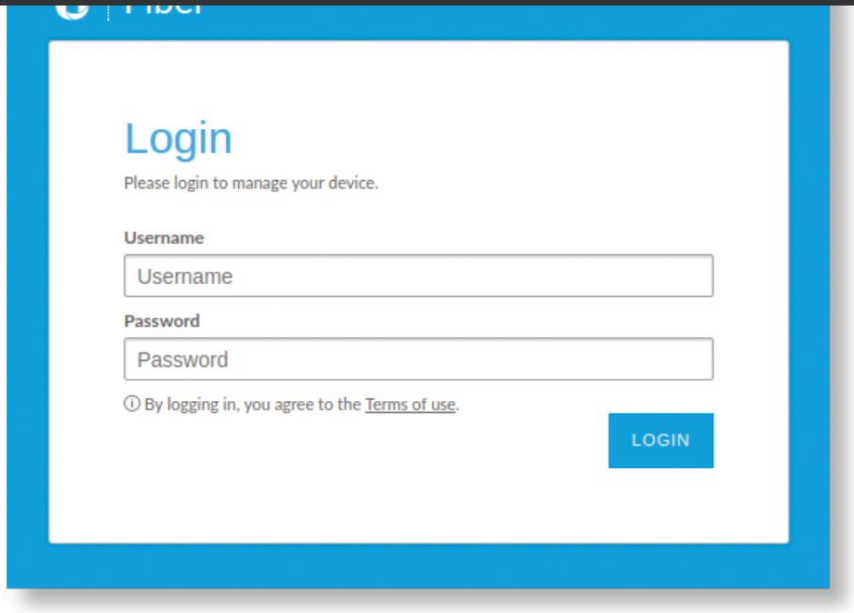
Note: 24V Passive PoE is required to power the device.

WARNING: The PoE switch must meet the power specifications listed in the Specifications section of this quick start guide.

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.



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

Specifications

UF-WIFI	
Dimensions	126,34 x 126,09 x 31,65 mm (4,97 x 4,96 x 1,25")
Weight	190 g (6,70 oz)
Interfaces de red	(1) WAN GPON SC/APC (4) LAN Ethernet Gigabit RJ45 (1) Wi-Fi, 802.11n
Network interface speeds WAN GPON, G.984 de la OUT AND Wi-Fi	 2.4 Gbps down, 1.2 Gbps up 10/100/1000 Mbps 300 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	Conector de CC, 24 V CC 24V passive PoE (outlets: 4, 5+; 7, 8-)
Power supply	100-240 V AC / 50/60 Hz, universal AC/DC 24 V/0.5 A

maximum power consumption	7W
Supported voltage range	De 20 and 28 V
processor specifications	MIPS, 900 MHz
memory information	DDR 256 MB
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

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.

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

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.

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.
2. This device must accept any interference received, including interference that may 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 20 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.

Brazil

Note: This equipment is not entitled to protection against harmful interference and may not cause interference in authorized systems.

CE marked

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

CE

list of countries

AT	BE	BG	CY	CZ	DE	DK	EE	EL	ES	FI	FR	HR	HU											
IE		IT	LV	LT	LU	MT	NL	PL	PT	RO	SE	SI	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