



# GigaBeam Plus

GBE-Plus is a 60GHz Radio capable of supporting 1Gbps rates with low latency. GBE-Plus supports PtP operating modes and is managed through the UISP dashboard.



## Mechanical

Dimensions	Ø155 x 137 mm (Ø6.1 x 5.4")
Weight	Without Mount: 1kg (2.2 lb) With Mount: _ kg (_ lb)
Enclosure Materials	UV Resistance Polycarbonate, Stainless Steel
Mount Materials	Metal
Wind Loading	50 N at 200 km/h (11.24 lbf at 125 mph)

## Hardware

Processor	Quad-Core ARM® Cortex® A7
Memory	256 MB DDR3
Networking Interface	10/100/1000 Mbps Ethernet RJ45
Management Interface	Ethernet In-Band Bluetooth
RF Connections	Internal
Max. Power Consumption	11W
Power Method	Passive PoE (Pairs 4, 5+; 7, 8-)
Power Supply	24VDC, 0.5A Gigabit PoE Adapter 24V, 1A for using Motor Accessory
Supported Voltage Range	22 to 26VDC
ESD/EMP Protection	Air/Contact: ± 24kV
Operating Temperature	-40 to 60° C (-40 to 140° F)
Operating Humidity	5 - 95% Noncondensing
Certifications	FCC, IC, CE

## LEDs

Power	Flashing White: Bootup in Progress White: Not Connected to Ubiquiti® Internet Service Provider (UISP™) Blue: Connected to UISP
Ethernet	Flashing Blue: Ethernet Traffic Detected
60GHz	Blue: Active Connection

## Software

OS	airOS®
Operating Modes	PtP as Access Point and Station
Ubiquiti Specific Features	Integrated 60 GHz Radio, Discovery Protocol
Security	WPA2 AES Only



Dashboard	Yes
Wireless Settings	Yes
Network Settings	Yes
System	Yes
Services	UISP, Ping Watchdog, Web Server, SSH Server, NTP Client, System Log, Device Discovery
Tools	Antenna Alignment Tool, Discovery Utility, Traceroute, Speed Test
Software Management	Bluetooth Management for Easy Setup Over UISP™ App WEB UI
Minimum Software Requirements	Any Modern Web Browser/iPhone/Android

## RF

Operating Frequency*	57,000 - 66,000 MHz <small>* Depends on regulatory region.</small>
Max. Conducted TX Power	<b>17 dBm</b>
Channel Bandwidth	2160 MHz
Management Radio	2400 - 2483.5 MHz
Operating Channels	58320, 60480, 62640, 64800 MHz
Antenna Gain	35 dBi
Beamwidth	HPOL: NaN (The Antenna is Only Vertically Polarized) VPOL: 3° Elevation: 3°
Electrical Downtilt	0°



Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at [www.ui.com/support/warranty](http://www.ui.com/support/warranty)

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### **Federal Communication Commission Interference Statement**

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 received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

### **Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 85cm between the radiator & your body.

### **Industry Canada statement:**

This device complies with ISED's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

### **Radiation Exposure Statement:**

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 85cm between the radiator & your body.

### **Déclaration d'exposition aux radiations:**

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 85 cm entre le radiateur et votre corps.

### **Professional installation instruction**

#### **1. Installation personal**

This product is designed for specific application and needs to be installed by a qualified personal who has RF and related rule knowledge. The general user shall not attempt to install or change the setting.

#### **2. Installation location**

The product shall be installed at a location where the radiating antenna can be kept 85cm from nearby person in normal operation condition to meet regulatory RF exposure requirement.

#### **3. External antenna**

Use only the antennas which have been approved by the applicant. The non-approved antenna(s) may produce unwanted spurious or excessive RF transmitting power which may lead to the violation of FCC/IC limit and is prohibited.

#### **4. Installation procedure**

Please refer to user's manual for the detail.

#### **5. Warning**

Please carefully select the installation position and make sure that the final output power does not exceed the limit set force in relevant rules. The violation of the rule could lead to serious federal penalty.

## **Instructions d'installation professionnelle**

### **1. Installation**

Ce produit est destiné à un usage spécifique et doit être installé par un personnel qualifié maîtrisant les radiofréquences et les règles s'y rapportant. L'installation et les réglages ne doivent pas être modifiés par l'utilisateur final.

### **2. Emplacement d'installation**

En usage normal, afin de respecter les exigences réglementaires concernant l'exposition aux radiofréquences, ce produit doit être installé de façon à respecter une distance de 85cm entre l'antenne émettrice et les personnes.

### **3. Antenne externe.**

Utiliser uniquement les antennes approuvées par le fabricant. L'utilisation d'autres antennes peut conduire à un niveau de rayonnement essentiel ou non essentiel dépassant les niveaux limites définis par FCC/IC, ce qui est interdit.

### **4. Procédure d'installation**

Consulter le manuel d'utilisation.

### **5. Avertissement**

Choisir avec soin la position d'installation et s'assurer que la puissance de sortie ne dépasse pas les limites en vigueur. La violation de cette règle peut conduire à de sérieuses pénalités fédérales.