



UniFi 10Gbps Building-to-Building Bridge

10Gbps 60Ghz PtP link with an integrated 5Ghz radio for backup redundancy. Ideal for high-throughput connectivity with a range of up to 500 m.

UniFi® 10Gbps Building-to-Building Bridge is the ideal solution for short-range, high-throughput connectivity. The UBB-XG is a 60Ghz PtP Bridge supporting blazing-fast speeds at ranges of up to 500m. Both units come pre-paired for simple setup out of the box. Calibration LEDs on every unit allows operators to easily adjust angling and positioning in the field to get the best signal, and integration with the UniFi Controller makes bridging two networks seamless. As a pack of two radios, UniFi Building-to-Building Bridge contains everything you need to get up and running within minutes. Enjoy simple, easy-to-use, 10Gbps connectivity anywhere.



Mechanical

Dimensions	Ø192 x 59 mm (Ø7.56 x 2.32")
Weight	Without Mount: 1.7 kg (3.75 lb) With Mount: 2.85 kg (6.28 lb)
Enclosure Materials	Aluminum Alloy, UV Resistant Polycarbonate
Mount Material	Stainless Steel (SUS304)
Mounting	60G Precision Alignment Pole Mount (Included)
Weatherproofing	IPX6

Hardware

Processor	Quad-Core ARM® Cortex® A72 at 1.6 GHz				
Memory	2 GB DDR4				
Management Interface	Ethernet Bluetooth				
Networking Interface	(1) 10/100/1000 Mbps RJ45 Ethernet (1) 1/10 Gbps SFP+				
Button	Factory Reset				
LED	R/G/B				
Power Method	PoE+, Passive PoE (48V)				
Power Supply	UniFi PoE Switch 48V, 0.65A Gigabit PoE Adapter (Included)				
Supported Voltage Range	48VDC ± 10%				
Max. Power Consumption	31.2W				
Maximum Throughput	<table border="1"><tr><td>5 GHz</td><td>866.6 Mbps</td></tr><tr><td>60 GHz</td><td>3.8 Gbps</td></tr></table>	5 GHz	866.6 Mbps	60 GHz	3.8 Gbps
5 GHz	866.6 Mbps				
60 GHz	3.8 Gbps				
Maximum Range	500 m (1640 ft)				
Operating Temperature	-40 to 55° C (-40 to 131° F)				
Operating Humidity	5 - 95% Noncondensing				
Certifications	FCC, IC, CE				



Software

Wi-Fi Standards	802.11ad/ay 802.11ac (Wi-Fi 5)
Wireless Security	WPA2 AES (Always On)
Operating Modes	PtP
VLAN	Management VLAN Only

RF

Operating Frequency*	57 to 66 GHz <small>*Depends on regulatory region.</small>
Channel Bandwidth	2160 MHz
Operating Channels	58320, 60480, 62640, 64800 MHz

Back-Up RF

Operating Frequency*	US/CA	U-NII-1	5150 - 5250 MHz
		U-NII-3	5725 - 5850 MHz
	Worldwide		5150 - 5725 MHz
<small>*Depends on regulatory region.</small>			
Channel Bandwidth	20/40/80 MHz		



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 received, including interference that may cause undesired operation.

The following apply to Class A products

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 reasonable 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. Operations 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 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, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems. [CAN ICES-3\(A\)/NMB-3\(A\)](#)

Le présent appareil est conforme aux CNR d'ISDE Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. l'appareil ne doit pas produire de brouillage;
2. l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux. [RF](#)

Exposure Warning

The antennas used for this transmitter must be installed to provide a separation distance of at least 32/33(FCC/IC) cm from all persons and must not be located or operating in conjunction with any other antenna or transmitter.

Les antennes utilisées pour ce transmetteur doivent être installées en considérant une distance de séparation de toute personnes d'au moins 32/33(FCC/IC) cm et ne doivent pas être localisées ou utilisées en conflit avec tout autre antenne ou transmetteur.