



Building-to-Building Bridge XG

60GHz, point-to-point (PtP) link with an integrated, 5 GHz radio that provides reliable backup redundancy and high-throughput connectivity at a range of up to 500 m.

The UniFi® Building-to-Building Bridge XG (UBB XG) is a 60 GHz, PtP link that creates short-range, high-throughput connections while also sustaining blazing-fast speed across distances up to 500 m. Designed for plug-and-play simplicity, the UBB XG's bridging units come pre-paired out of the box and both feature calibration LEDs that help you easily adjust their angle and position to optimize signal transmission. Seamlessly integrated with the UniFi Network application, the UBB XG can be set up in minutes and managed from a central, intuitive interface, making network bridging easier than ever!



Mechanical

Dimensions	Ø191.77 x 58.95 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) Pole compatibility: Ø25.4-63.5 mm (Ø1-2.5")
Weatherproofing	IPX6

Hardware

Processor	Quad-Core ARM® Cortex® A72 at 1.6 GHz				
Memory	2 GB DDR4				
Management interface	Ethernet Bluetooth				
Networking interface	(1) GbE RJ45 port (1) 1/10G SFP+ port				
Button	Factory reset				
LED	R/G/B				
Power method	PoE++, passive PoE 4-pairs (1, 2+; 3, 6-) (4, 5+; 7, 8-) or 2-pairs (4, 5+; 7, 8-)				
Power supply	UniFi PoE switch 48V, 0.65A Gigabit PoE adapter (included)				
Supported voltage range	48VDC ± 10%				
Max. power consumption	31.2 W				
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	400+ m (1312+ ft)				
Operating temperature	-40 to 55° C (-40 to 131° F)				
Operating humidity	5 - 95% noncondensing				
Certifications	FCC, IC, CE, terragraph				

Software

Wi-Fi standards	802.11ad/y 802.11ac (Wi-Fi 5)
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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		

