Tech Specs
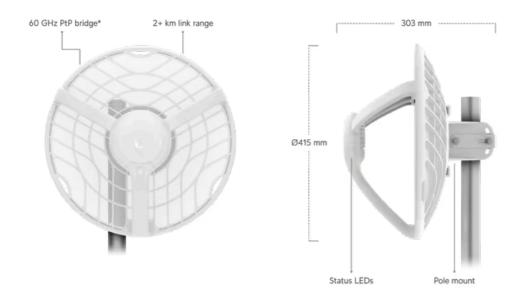
60 GHz Wireless   Wireless   Fiber   Wired   Accessory Tech

60 GHz Wireless > airMAX GigaBeam Long-Range

Datasheet	Marketing Images	Installation Guide

60 GHz PtP bridge*   2+ km link range

303 mm

Ø415 mm

Status LEDs   Pole mount

1+ Gbps throughput

Integrated GPS & Bluetooth

Reset button

GbE, PoE in RJ45 port**

*GigaBeam is normally purchased in pairs to form a single link.

**24V DC, 0.5A GbE PoE adapter included.

Mechanical

Dimensions	415 x 415 x 303 mm (16.34 x 16.34 x 11.93")
Weight	Without mount: 1.4 kg (3.09 lb) With mount: 1.8 kg (3.97 lb)
Enclosure material	Aluminum, UV-stabilized polycarbonate
Wind loading	56 N at 200 km/h (12.6 lbf at 125 mph)
Wind survivability	200 km/h (125 mph)
Mounting	Pole mount (included)

Hardware

Processor	Quad-core ARM® Cortex®- A7
Memory	256 MB DDR3
Networking interface	(1) GbE RJ45 port
RF connections	Internal
Power method	Passive PoE 2-pairs (4, 5+; 7, 8-)
Power supply	24V DC, 0.5A gigabit PoE adapter (Included)
Voltage range	22—27V DC
Max. power consumption	11W
ESD/EMP protection	Air/contact: ± 24kV
Ambient operating temperature	-40 to 60° C (-40 to 140° F)
Ambient operating humidity	5 to 95% noncondensing
Certifications	FCC, IC, CE

Software

Operating mode	PtP
Ubiquiti specific features	Integrated 60 GHz and 5 GHz radios, discovery protocol
Security	WPA2 AES only
Services	UISP, ping watchdog, web server, SSH server, NTP client, system log, device discovery
Tools	Antenna alignment tool, discovery utility, traceroute, speed test

Management interface	UISP application (web/mobile)
Minimum software requirements	Any modern web browser/iOS™ or Android™ based smartphone

RF

Max. conducted TX power 5/60 GHz combined	25 dBm

Channel bandwidth	
60 Ghz	2160 Mhz
5 Ghz	20/40/80 Mhz

Management radio	
US/CA	2412 - 2462 MHz
Worldwide	2412 - 2472 MHzi

Antenna gain	
60 Ghz	38 dBi
5 Ghz	11 dBi

Operating Frequency (Mhz)

US/CA	
U-NII-1	5150 - 5250
U-NII-2A	5250 - 5350
U-NII-2C	5470 - 5725
U-NII-3	5725 - 5850
	57,000 – 66,000

Worldwide	5180 – 5875
	57,000 - 66,000

LEDs

Power	Flashing white: bootup in progress
	White: system ready, Ubiquiti Internet Service Provider (UISP) not configured, not connected
	Flashing blue: system ready, UISP configured, but cannot connect
	Blue: system ready, UISP configured and connected
Ethernet	Flashing blue: Ethernet traffic detected
5G	Blue: active connection
60G	Blue: active connection

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