



airMAX GigaBeam Plus 60 GHz Radio



High-gain 60 GHz radio with a Cassegrain reflector that delivers 1.5+ Gbps throughput with low latency.

The GigaBeam® Plus (GBE Plus) is a 60 GHz radio that can be used as a high-throughput backhaul/edge point-to-point (PTP) solution in WISP deployments. With its integrated Cassegrain reflector, the GBE Plus delivers 35 dBi antenna gain and can exceed a 1.5 Gbps bidirectional throughput rate with very low latency. Designed for simple deployment and ease of use, the GBE Plus can be set up in minutes and fully managed with the UISP™ web application or mobile app.

Mechanical

Dimensions	Ø155 x 137 mm (Ø6.1 x 5.4")
Weight	1 kg (2.2 lb)
Enclosure materials	UV-resistant polycarbonate, stainless steel
Mount material	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	10/100/1,000 Mbps RJ45 port
Management interfaces	Ethernet 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
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 to 95% noncondensing
Certifications	FCC, IC, CE

LEDs

Power	Flashing white: Booting up White: Not connected to UISP Blue: Connected to UISP
Ethernet	Flashing blue: Ethernet traffic detected
60GHz	Blue: Connected

Software

OS	airOS®
Operating modes	PtP master or 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, discovery utility, traceroute, speed test
Management interface	UISP application (web/mobile)
Minimum software requirements	A modern web browser or an iOS/Android device

RF

Operating frequency*	57,000 - 66,000 MHz <small>*Dependent on regional regulations.</small>
Channel bandwidth	2160 MHz
Operating channels	58320, 60480, 62640, 64800 MHz
Beamwidth*	Azimuth: 2° (-3 dB) / 3° (-6 dB) Elevation: 2° (-3 dB) / 3° (-6 dB) <small>*The antenna is only vertically polarized.</small>
Bluetooth	2400 - 2483.5 MHz
Electrical downtilt	0°



Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at www.ui.com/support/warranty

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