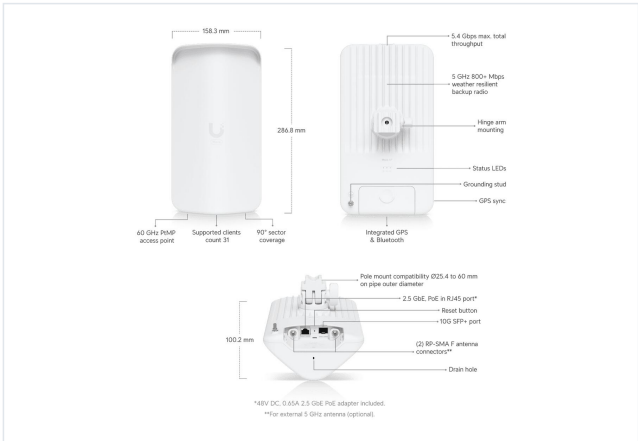


WAVE-APG2

Ubiquiti UISP 60GHz / 5GHz Wave Access Point Gen2 includes PoE injector

Product Overview

Ubiquiti UISP 60GHz / 5GHz Wave Access Point Gen2 includes PoE injector, Wave-AP-Gen2, 1x 2.5 GbE RJ45 Port, 1x 10G SFP+ Port, PtMP Access Point operating mode, 5.4 Gbps total Throughput, 31 supported clients count, 20 dBi antenna gain @ 60GHz, Vertically Linear Polarization, WiFi 6, 13 dBi antenna gain @ 5GHz, GPS



Specifications

Overview Summary:

The Ubiquiti UISP Wave Access Point Gen2 offers high-speed dual-band wireless performance with 60GHz and 5GHz connectivity, perfect for businesses and advanced home networks in South Africa. Designed for point-to-multipoint deployment, it handles multiple clients efficiently with up to 5.4 Gbps total throughput. Equipped with WiFi 6, a PoE injector, and flexible ports including 2.5 GbE RJ45 and 10G SFP+, installation is simple and reliable. Shop now to enhance your network with stable, long-range coverage and GPS-enabled performance.

This access point is ideal for high-capacity environments such as offices, campuses, or enterprise setups, offering both speed and consistency for up to 31 devices.

Performance tier:High-performance

Uses:Wireless networking, Point-to-multipoint links, Enterprise WiFi, Campus connectivity, High-speed internet access

Overview:

Ubiquiti UISP Wave Access Point Gen2: High-Speed Multi-Band Connectivity

The Ubiquiti UISP 60GHz / 5GHz Wave Access Point Gen2 delivers next-level wireless performance for businesses and advanced home networks. Designed for point-to-multipoint deployment, it ensures reliable connections, high throughput, and efficient client management in demanding environments.

Description:

This Wave AP Gen2 supports dual-band operation at 60 GHz and 5 GHz, providing fast, stable wireless connectivity with up to 5.4 Gbps total throughput. Equipped with WiFi 6 technology, it can handle up to 31 connected clients and offers flexible deployment options with 2.5 GbE RJ45 and 10G SFP+ ports. The integrated antennas provide long-range coverage, while GPS functionality enhances network coordination and performance. The package also includes a PoE injector for easy setup.

Features:

High-Speed Wireless Performance

The Wave AP Gen2 is engineered for high-capacity environments. The 60 GHz band delivers ultra-fast data transfer for close-range connections, while the 5 GHz band extends coverage with 13 dBi antenna gain. Its 2.7 Gbps symmetrical speed ensures smooth performance for multiple clients simultaneously.

Flexible Connectivity Options

- 1x 2.5 GbE RJ45 port for high-speed Ethernet connections
- 1x 10G SFP+ port for fiber backhaul
- PoE injector included for simplified installation
- Antenna connectors to expand 5 GHz range

Optimized for Multiple Clients

Manage up to 31 devices with stable and consistent performance. The vertically linear polarization antennas provide focused signal transmission for efficient network operation. Ideal for dense environments like campuses, offices, and enterprise settings.

Enhanced Coverage and Reliability

- 60 GHz band with 20 dBi antenna gain for high-speed point-to-point links

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Product Specification Sheet

- 5 GHz band with 13 dBi antenna gain for extended coverage
- 90-degree sectoral coverage for efficient multi-device connectivity
- GPS support for precise network coordination

Advanced Wireless Technology

Leveraging WiFi 6, the Wave AP Gen2 reduces latency and improves overall efficiency. Its dual-band capability allows seamless coexistence of high-speed short-range links with extended-range connections. Perfect for next-generation network deployments requiring both speed and reliability.

Specifications:

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Specifications	
Product Code	WAVE-APG2
Mechanical	
Dimensions	158.3 x 286.8 x 100.2 mm (6.2 x 11.3 x 3.9")
Weight	1.5 kg (3.3 lb)
Enclosure material	UV stabilized polycarbonate, aluminum alloy
Pole mount diameter	25.4 to 60 mm (1 to 2.4") on pipe outer diameter
Wind loading	109.8 N at 200 km/h (25 lbf at 125 mph)
Weatherproofing	IPX6
Hardware	
Processor	Quad-core ARM Cortex -A53 at 1.4 GHz
Memory	DDR3L 512 MB
Networking interface	(1) 2.5 GbE RJ45 port
	(1) 10G SFP+ port
Max. power consumption	24W
Power method	Passive PoE 4-pairs (1, 2+ , 3, 6-) (4, 5+ , 7, 8-)
	Passive PoE 2-pairs (4, 5+ , 7, 8-), for 44-54V DC only
Power supply	48V DC, 0.65A 2.5 GbE PoE adapter (Included)
Supported voltage range	44-54V DC
	22-27V DC
GPS	Yes
Button	Factory reset
LEDs	Power, Ethernet, GPS
Ambient operating temperature	-40 to 60degrees C (-40 to 140degrees F)
Ambient operating humidity	5 to 95% noncondensing
Certifications	FCC, IC, CE

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Product Specification Sheet

Software	
Operating mode	PtMP access point
Ubiquiti specific features	Wave AI, discovery protocol
Services	UISP, ping watchdog, NTP client, SNMP
Tools	Antenna alignment, discovery utility, ping, trace route, speed test, cable test, site survey
Network	Bridge mode
Application requirements	UISP: Version 2.4.205 and later
System	
Total throughput	5.4 Gbps
Supported clients count	31
Max. range	Connecting to a Wave Pro: up to 6 km
	Connecting to a Wave Long-Range: up to 6 km
	Connecting to a Wave Nano: up to 4 km
	Connecting to a Wave Pico: up to 0.9 km
Encryption	WPA2-PSK (AES)
RF	
Operating frequency	57-71 GHz
	*Depends on regulatory region.
Channel bandwidth	2160, 1080, 540 MHz
Operating channels	58320, 59400, 60480, 61560, 62640, 63720, 64800, 65880, 66960, 68040, 69120, 70200, 70560 MHz
	*Depends on regulatory region.
Modulation	16QAM, QPSK
Antenna gain	20 dBi
Polarization	Vertically linear
Beamwidth	Azimuth: 3 dB 90degrees
	Elevation: 3 dB 7degrees
Electrical downtilt	0degrees
Back-Up RF	
WiFi standard	802.11ax (WiFi 6)
Operating frequency	
US/CA	U-NII-1 5150 - 5250 MHz
	U-NII-2A 5250 - 5350 MHz
	U-NII-2C 5470 - 5725 MHz
	U-NII-3 5725 - 5850 MHz
Worldwide	5150 - 5875 MHz
	*Depends on regulatory region.

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Product Specification Sheet

Channel bandwidth	20, 40, 80 MHz
Modulation	BPSK (1/2), QPSK (1/2), QPSK (3/4), 16QAM (1/2), 16QAM (3/4), 64QAM (2/3), 64QAM (3/4), 64QAM (5/6), 256QAM (3/4), 256QAM (5/6), 1024QAM (3/4), 1024QAM (5/6)
Antenna gain	13 dBi
Cross-pol isolation	18 dB
Polarization	Dual-linear
Beamwidth	Azimuth: 6 dB 95degrees
	Elevation: 6 dB 25degrees
Electric downtilt	0degrees
LEDs	
Power	Flashing white: bootup in progress
	White: not connected to UISP application
	Blue: connected to UISP application
	Flashing blue: locate in progress
	Blue/white: firmware upgrade in progress
Ethernet	Flashing white: Ethernet traffic detected
	Flashing blue: SFP+ traffic detected
GPS	Blue: receiving at least (4) GPS satellite signal

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/WAVE-APG2-Ubiquiti-UISP-60GHz-5GHz-Wave-Access-Point-Buy-p-330235.php>

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