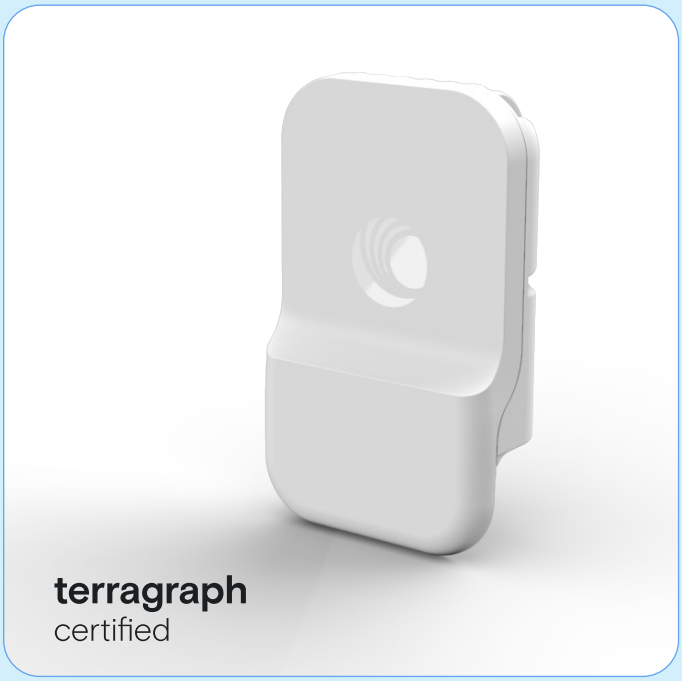
cnWave™ 60 GHz V1000

Fixed Wireless Node

QUICK LOOK:

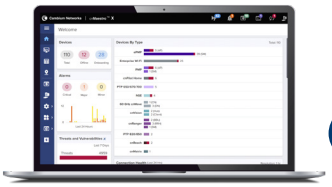
- Supports 57 to 66 GHz
- Up to 2 Gbps (1 Gbps UL and 1 Gbps DL)
- Auto-beamforming, 80° horizontal and 40° vertical
- TDMA channel access and TDD Network Synchronization
- 802.11ay standard technology with Terragraph certification



Designed for high-speed and high-density deployments

Cambium Networks' cnWave 60 GHz solution provides easy, fast and cost-effective wireless gigabit connectivity for edge access and/or high-capacity backhaul for edge access solutions at a significantly lower TCO than fiber infrastructure. Service providers and enterprises now have access to gigabit for business and residential connectivity, backhaul for Wi-Fi access or LTE/5G small cell. Certified for Facebook Terragraph, cnWave solutions are highly efficient at handling high-density deployments in cities and suburban areas.

V1000 is featured with wide-range, 80° beamforming for easy installation. Powered by 802.3af PoE, V1000 supports up to 2 Gbps with 1 Gbps in the uplink direction and 1 Gbps in the downlink direction.



cnMaestro READY

Cloud and on-premises management

cnWave 60 GHz operates with Cambium Networks' cnMaestro management system. cnMaestro™ is a cloud-based or on-premises software platform for secure, end-to-end network control. cnMaestro wireless network manager simplifies device management by offering full network visibility and zero-touch provisioning. View and perform a full suite of wireless network management functions in real time. Optimize system availability, maximize throughput and meet emerging needs of business and residential customers.

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cnWave™ 60 GHz V1000 Client Node

Specifications

Spectrum	
Frequency Range	57 to 66 GHz in a single SKU
Channel Width	2.16 GHz, 4.32 GHz*
Carrier Bonding*	Up to 2 adjacent channels
Mode of Operation	PMP Client or PTP

Interface	
Channel Access	TDMA/TDD
Ethernet Interface	1 x 100/1000 BaseT with PoE In

Networking	
Protocols Supported	IPv4, IPv6, Layer2 Bridge, Layer3 IPv6 Routing, Open/R Distributed Networking
Network Management	cnMaestro, HTTP, HTTPS, SNMP v2c & v3
MTU	1,900 bytes
VLAN	802.1ad (QinQ), 802.1Q with 802.1p priority

Security	
Encryption	128-bit AES
Firmware Security	Signed Firmware Images

** Available in future release*

Performance	
Modulation & Coding Schemes	MCS-0 (BPSK) to MCS-10 (16-QAM)
Latency	< 1 ms
Maximum EIRP	38 dBm

Antenna	
Gain	22.5 dBi
Type	Integrated
Beamforming Scan Range	+/- 40° azimuth, +/- 20° elevation
Beam Width	12°

Powering	
Type	802.3af PoE
Power Consumption	10W

Physical	
Environmental	IP66/67
Temperature	-40°C to 60°C (-40°F to 140°F)
Mean Time Between Failure	> 40 years
Weight	0.46 kg (1.01 lbs)
Dimensions H x W x D	169 mm x 100 mm x 54 mm (6.65 in x 3.94 in x 2.13 in)
Wind Survival	200 km/h (124 mi/h)

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cnWave™ 60 GHz V1000 Client Node



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cnWave™ 60 GHz V1000 Client Node

Ordering Information

C600500C001A	cnWave 60 GHz V1000 Client Node with US cord
C600500C003A	cnWave 60 GHz V1000 Client Node with EU cord
C600500C004A	cnWave 60 GHz V1000 Client Node with UK cord
C600500C008A	cnWave 60 GHz V1000 Client Node with ANZ cord
C600500C009A	cnWave 60 GHz V1000 Client Node with Brazil cord
C600500C010A	cnWave 60 GHz V1000 Client Node with Argentina cord
C600500C011A	cnWave 60 GHz V1000 Client Node with China cord
C600500C012A	cnWave 60 GHz V1000 Client Node with South Africa cord
C600500C013A	cnWave 60 GHz V1000 Client Node with India cord
C600500C014A	cnWave 60 GHz V1000 Client Node with no cord
C600500C016A	cnWave 60 GHz V1000 Client Node with Israel cord - Israel Only
C600500C017A	cnWave 60 GHz V1000 Client Node with no cord no power supply

About Cambium Networks

Cambium Networks enables service providers, enterprises, industrial organizations, and governments to deliver exceptional digital experiences, and device connectivity, with compelling economics. Our ONE Network platform simplifies management of Cambium Networks' wired and wireless broadband and network edge technologies. Our customers can focus more resources on managing their business rather than the network. We deliver connectivity that just works.

cambiumnetworks.com

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