

# 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.



### 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.

## cnWave™ 60 GHz V1000 Client Node

### Specifications

<b>Spectrum</b>		<b>Performance</b>	
<b>Frequency Range</b>	57 to 66 GHz in a single SKU	<b>Modulation &amp; Coding Schemes</b>	MCS-0 (BPSK) to MCS-10 (16-QAM)
<b>Channel Width</b>	2.16 GHz, 4.32 GHz*	<b>Latency</b>	< 1 ms
<b>Carrier Bonding*</b>	Up to 2 adjacent channels	<b>Maximum EIRP</b>	38 dBm
<b>Mode of Operation</b>	PMP Client or PTP	<b>Antenna</b>	
<b>Interface</b>		<b>Gain</b>	22.5 dBi
<b>Channel Access</b>	TDMA/TDD	<b>Type</b>	Integrated
<b>Ethernet Interface</b>	1 x 100/1000 BaseT with PoE In	<b>Beamforming Scan Range</b>	+/- 40° azimuth, +/- 20° elevation
<b>Networking</b>		<b>Beam Width</b>	12°
<b>Protocols Supported</b>	IPv4, IPv6, Layer2 Bridge, Layer3 IPv6 Routing, Open/R Distributed Networking	<b>Powering</b>	
<b>Network Management</b>	cnMaestro, HTTP, HTTPS, SNMP v2c & v3	<b>Type</b>	802.3af PoE
<b>MTU</b>	1,900 bytes	<b>Power Consumption</b>	10W
<b>VLAN</b>	802.1ad (QinQ), 802.1Q with 802.1p priority	<b>Physical</b>	
<b>Security</b>		<b>Environmental</b>	IP66/67
<b>Encryption</b>	128-bit AES	<b>Temperature</b>	-40°C to 60°C (-40°F to 140°F)
<b>Firmware Security</b>	Signed Firmware Images	<b>Mean Time Between Failure</b>	> 40 years
* Available in future release		<b>Weight</b>	0.46 kg (1.01 lbs)
		<b>Dimensions</b> H x W x D	169 mm x 100 mm x 54 mm (6.65 in x 3.94 in x 2.13 in)
		<b>Wind Survival</b>	200 km/h (124 mi/h)

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### Ordering Information

<b>C600500C001A</b>	cnWave 60 GHz V1000 Client Node with US cord
<b>C600500C003A</b>	cnWave 60 GHz V1000 Client Node with EU cord
<b>C600500C004A</b>	cnWave 60 GHz V1000 Client Node with UK cord
<b>C600500C008A</b>	cnWave 60 GHz V1000 Client Node with ANZ cord
<b>C600500C009A</b>	cnWave 60 GHz V1000 Client Node with Brazil cord
<b>C600500C010A</b>	cnWave 60 GHz V1000 Client Node with Argentina cord
<b>C600500C011A</b>	cnWave 60 GHz V1000 Client Node with China cord
<b>C600500C012A</b>	cnWave 60 GHz V1000 Client Node with South Africa cord
<b>C600500C013A</b>	cnWave 60 GHz V1000 Client Node with India cord
<b>C600500C014A</b>	cnWave 60 GHz V1000 Client Node with no cord
<b>C600500C016A</b>	cnWave 60 GHz V1000 Client Node with Israel cord - Israel Only
<b>C600500C017A</b>	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](http://cambiumnetworks.com)

06272023