

60 GHz cnWave V1000

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' 60 GHz cnWave 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

60 GHz cnWave 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.

60 GHz cnWave V1000 Client Node

Specifications

Spectrum		Performance	
Frequency Range	57 to 66 GHz in a single SKU	Modulation & Coding Schemes	MCS-0 (BPSK) to MCS-10 (16-QAM)
Channel Width	2.16 GHz, 4.32 GHz*	Latency	< 1 ms
Carrier Bonding*	Up to 2 adjacent channels	Maximum EIRP	38 dBm
Mode of Operation	PMP Client or PTP	Antenna	
Interface		Gain	22.5 dBi
Channel Access	TDMA/TDD	Type	Integrated
Ethernet Interface	1 x 100/1000 BaseT with PoE In	Beamforming Scan Range	+/- 40° azimuth, +/- 20° elevation
Networking		Beam Width	12°
Protocols Supported	IPv4, IPv6, Layer2 Bridge, Layer3 IPv6 Routing, Open/R mesh	Powering	
Network Management	cnMaestro, HTTP, HTTPS, SNMP v2c & v3	Type	802.3af PoE
MTU	4,000 bytes	Power Consumption	10 W
VLAN*	802.1ad (QinQ), 802.1Q with 802.1p priority	Physical	
QoS*	4 Level QoS, DSCP and VLAN Tag	Environmental	IP66/67
Security		Temperature	-40°C to 60°C (-40°F to 140°F)
Encryption	128-bit AES	Mean Time Between Failure	> 40 years
Firmware Security	Signed Firmware Images	Weight	0.25 kg (0.55 lbs)
<i>* Available in future release</i>		Dimensions	140 mm x 85 mm x 40 mm (5.5 in x 3.3 in x 1.6 in)
		Wind Survival	200 km/h (124 mi/h)

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Ordering Information

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

ABOUT CAMBIUM NETWORKS

Cambium Networks empowers millions of people with wireless connectivity worldwide. Its wireless portfolio is used by commercial and government network operators as well as broadband service providers to connect people, places and things. With a single network architecture spanning fixed wireless and Wi-Fi, Cambium Networks enables operators to achieve maximum performance with minimal spectrum. End-to-end cloud management transforms networks into dynamic environments that evolve to meet changing needs with minimal physical human intervention. Cambium Networks empowers a growing ecosystem of partners who design and deliver gigabit wireless solutions that just work.

cambiumnetworks.com

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