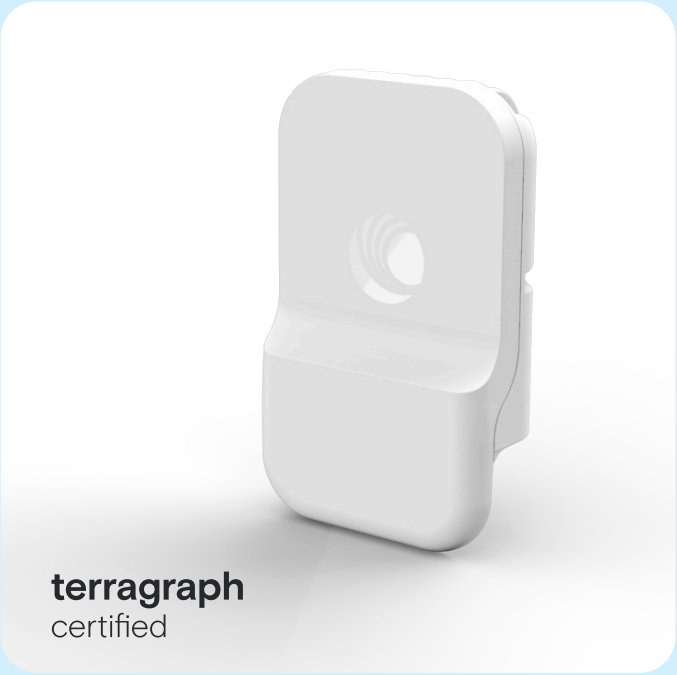
60 GHz cnWave V1000

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 mesh 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	
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 or Mesh, PTP*

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

Ethernet	
Protocol Supported	IPv4, IPv6
Network Management	cnMaestro, HTTP, HTTPS, SNMP v2c & v3
MTU	4,000 bytes
VLAN*	802.1ad (QinQ), 802.1Q with 802.1p priority
QoS*	4 Level QoS, DSCP and VLAN Tag

Security	
Encryption	128-bit AES
Firmware Security	Signed Firmware Images

** Available in future release*

Performance	
Modulation & Coding Schemes	MCS-0 (BPSK) to MCS-12 (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	10 W

Physical	
Environmental	IP66/67
Temperature	-40°C to 60°C (-40°F to 140°F)
Mean Time Between Failure	> 40 years
Weight	0.25 kg (0.55 lbs)
Dimensions W x H x D	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

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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