

cnWave™ 60 GHz V1000

Fixed Wireless Node

QUICK LOOK:

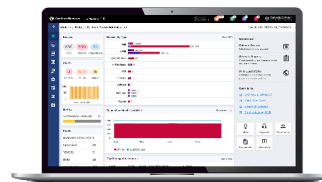
- Supports 57 to 66 GHz
- Up to 2 Gbps (1 Gbps UL and 1 Gbps DL)
- Auto-beamforming, 80° horizontal and 40° vertical
- TDMA channel access and TDD Network Synchronization
- 802.11ay standard technology with Terragraph certification



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.

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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 2,000 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 169 mm x 100 mm x 54 mm
H x W x D (6.65 in x 3.94 in x 2.13 in)

Wind Survival 200 km/h (124 mi/h)

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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 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.