cnWave™ 60 GHz V2000

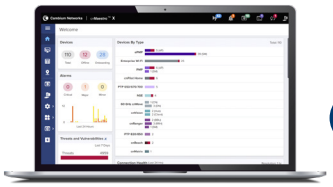
Client Node

QUICK LOOK:

- **Supports 57 to 66 GHz**
- **Up to 3.6 Gbps (1.8 Gbps DL and 1.8 Gbps UL). Channel bonding typically doubles capacity**
- **Auto-beamforming, +/- 10° horizontal, +/- 4.0° vertical**
- **2.5 GbE PoE input AND 2.5 GbE 802.3at PoE output port for powering external devices**
- **802.11ay standard technology with Terragraph certification**



terragraph
certified



cnMaestro READY

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. cnWave solutions are highly efficient at handling high-density deployments in cities and suburban areas.

The V2000 features a 2.5 GbE PoE input port as well as a 2.5 GbE PoE 802.3at output port for powering Wi-Fi access points or video surveillance cameras. This makes the V2000 especially well-suited to backhaul Cambium's XV2 series of outdoor Wi-Fi AP's.

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 V2000 Client Node

Specifications

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

Interface	
Channel Access	TDMA/TDD
Ethernet Interface	1 x 2.5 GbE PoE Input 1 x 2.5 GbE PoE 802.3at Output

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

Performance	
Modulation & Coding Schemes	MCS-0 (BPSK) to MCS-12 (16-QAM-3/4)
Latency	< 1 ms
Maximum EIRP	49 dBm

Antenna	
Gain	34.5 dBi
Type	Integrated
Beamforming Scan Range	+/- 10° azimuth, +/- 4.0° elevation

Powering	
Type	802.3at
Power Consumption	18W (48W when using PoE output port)

Physical	
Environmental	IP66/67
Temperature	-40°C to 60°C (-40°F to 140°F)
Mean Time Between Failure	> 40 years
Weight	1.9 kg (4.2 lbs.) with bracket
Dimensions H x W x D	249 x 166 x 220 mm (9.8 x 6.5 x 8.7 in)
Wind Survival	200 km/h (124 mph)

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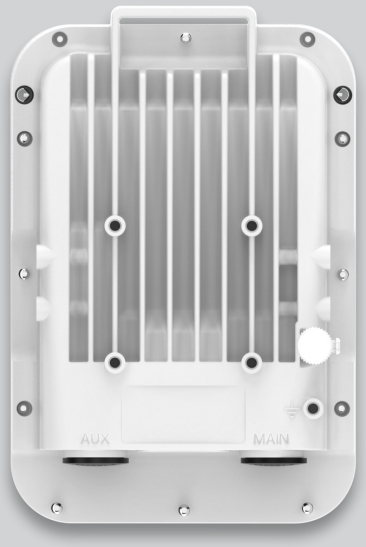
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cnWave™ 60 GHz V2000 Client Node

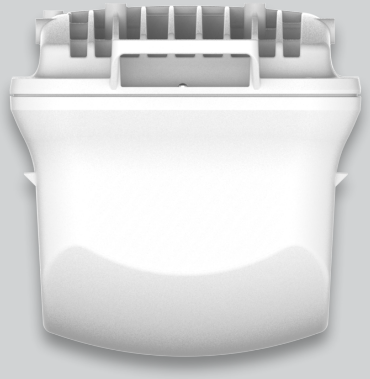
Front



Back



Top



Bottom



Side



Rear View
Pole Mounted



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cnWave™ 60 GHz V2000 Client Node

cnWave 60 GHz V2000 Ordering Information

C600500C020B	60GHz cnWave V2000 Client Node 30W with US cord
C600500C026B	60GHz cnWave V2000 Client Node 30W with Israel cord - Israel Only
C600500C027B	60GHz cnWave V2000 Client Node 30W with South Africa cord
C600500C028B	60GHz cnWave V2000 Client Node 30W with India cord
C600500C029B	60GHz cnWave V2000 Client Node 30W with no cord
C600500C030B	60GHz cnWave V2000 Client Node, no power supply and no power cord
C600500C031B	60GHz cnWave V2000 Client Node 30W with EU cord
C600500C032B	60GHz cnWave V2000 Client Node 30W with UK cord
C600500C033B	60GHz cnWave V2000 Client Node 30W with ANZ cord
C600500C034B	60GHz cnWave V2000 Client Node 30W with Brazil cord
C600500C035B	60GHz cnWave V2000 Client Node 30W with Argentina cord

cnMaestro Management Ordering Information

MSX-SUB-T4-1	cnMaestro X for cnWave: Advanced management and includes CC Pro for Tier4; 1-year subscription / Tier4 device; Tier4 device include Client Node
MSX-SUB-T4-3	cnMaestro X for cnWave: Advanced management and includes CC Pro for Tier4; 3-year subscription / Tier4 device; Tier4 device include Client Node
MSX-SUB-T4-5	cnMaestro X for cnWave: Advanced management and includes CC Pro for Tier4; 5-year subscription / Tier4 device; Tier4 device include Client Node



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cnWave™ 60 GHz V2000 Client Node

Extended Warranty, Cambium Care and cnMaestro Management Ordering Information

EW-E1CNWV2000-WW	60 GHz V2000 Extended Warranty, 1 Additional Year
EW-E2CNWV2000-WW	60 GHz V2000 Extended Warranty, 2 Additional Years
AR-E0CNWV2000-WW	60 GHz V2000 Upgrade to All Risks Advanced Replacement Program during 3-year standard warranty
AR-E1CNWV2000-WW	60 GHz V2000 All Risks Advance Replacement, 1 Additional Year
AR-E2CNWV2000-WW	60 GHz V2000 All Risks Advance Replacement, 2 Additional Years
CCADV-SUP-V2000-1	Cambium Care Advanced, 1-year support for one V2000. 24x7 TAC support, SW updates, and NBDS advance replacement for HW
CCADV-SUP-V2000-3	Cambium Care Advanced, 3-year support for one V2000. 24x7 TAC support, SW updates, and NBDS advance replacement for HW
CCADV-SUP-V2000-5	Cambium Care Advanced, 5-year support for one V2000 . 24x7 TAC support, SW updates, and NBDS advance replacement for HW
CCADV-UPG-V2000-1	Cambium Care Advanced Add-on to cnMaestro X, 1-year support for one V2000. 24x7 TAC support, SW updates, and NBDS advance replacement for HW
CCADV-UPG-V2000-3	Cambium Care Advanced Add-on to cnMaestro X, 3-year support for one V2000. 24x7 TAC support,SW updates, and NBDS advance replacement for HW
CCADV-UPG-V2000-5	Cambium Care Advanced Add-on to cnMaestro X, 5-year support for one V2000. 24x7 TAC support, SW updates, and NBDS advance replacement for HW
CCPRO-SUP-V2000-1	Cambium Care Pro, 1-year support for one V2000. 24x7 TAC support, SW updates
CCPRO-SUP-V2000-3	Cambium Care Pro, 3-year support for one V2000. 24x7 TAC support, SW updates
CCPRO-SUP-V2000-5	Cambium Care Pro, 5-year support for one V2000. 24x7 TAC support, SW updates
CCPRM-SUP-V2000-1	Cambium Care Prime, 1-year support for one V2000. 24x7 TAC SLA support, SW updates, and ARAR for HW
CCPRM-SUP-V2000-3	Cambium Care Prime, 3-year support for one V2000. 24x7 TAC SLA support, SW updates, and ARAR for HW
CCPRM-SUP-V2000-5	Cambium Care Prime, 5-year support for one V2000. 24x7 TAC SLA support, SW updates, and ARAR for HW

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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