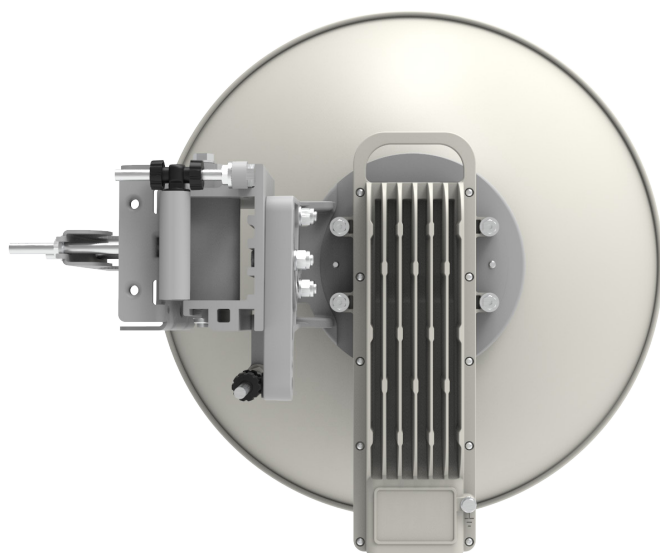


28 GHz cnWave™ C200 Customer Premises Equipment

QUICK LOOK:

Cambium Networks 28 GHz cnWave 2nd generation CPE (Customer Premises Equipment) enhances performance by over 4x.

- **Throughput of over 1500 Mbps aggregate**
- **5G NR protocol using SDR Architecture to enable continuous evolution and enhancements**



KEY FEATURES

- Up to 1500 Mbps of throughput at the CPE*
- Gigabit Ethernet Interface provides the maximum transfer rates to the device
- 802.3at PoE to allow standards-based powering of devices
- One radio model capable of operation from 24.25 GHz to 29.50 GHz spectrum, covering the most common 5G bands globally
- Optimized for throughput, high-gain integrated dish to maximize range

*Future software release

28 GHz cnWave C200 Customer Premises Equipment

Specifications

Product Model Numbers		Spectrum	
CPE Radio	C280500C002A	Frequency Range	24.25 – 29.50 GHz
Antenna Assembly	C280500D001A	Channel Width	50, 56, 100, 112, 140 and 224 MHz channels
Interface			
MAC (Media Access Control) Layer	5G NR Air Interface		
Physical Layer	OFDM		
Ethernet Interface	100/1000BaseT, full duplex, rate auto negotiated (802.3 compliant)		
Protocols Used	IPv4, UDP, TCP, IP, ICMP, SNMP		
Network Management	IPv4/IPv6 (dual stack), HTTP, HTTPS, Telnet, FTP, SNMPv2c and v3, Cambium Networks cnMaestro™		
VLAN	802.1ad (DVLAN Q-inQ), 802.1Q with 802.1p priority, dynamic port VID		
Security			
Encryption	FIPS-197 128-bit AES, 256-bit AES <i>(Requires Optional License for attached Access Point)</i>		
Performance			
Channel Size	DL MCS	DL Sensitivity (dB)	
224 MHz	MCS 26	-92.0	
	MCS 6	-114.9	
140 MHz	MCS 23	-92.8	
	MCS 6	-115.9	
112 MHz	MCS 24	-98.5	
	MCS 6	-118.1	
56 MHz	MCS 22	-98.4	
	MCS 6	-119.2	
Maximum EIRP	+54 dBm		
Hybrid ARQ	Yes, DL and UL		
Maximum Deployment Range	Up to 5 km (3.2 miles)		
Latency	3–5 ms, typical		
Quality of Service	Four levels		

28 GHz cnWave C200 Customer Premises Equipment

Antenna

Antenna Connection Integrated Reflector Dish

Integrated Antenna Peak Gain 39 dBi

Beam width - Azimuth 1°

Beam width - Elevation 1°

Physical

Mean Time Between Failure > 40 years

Environmental IP67, IP66

Temperature / Humidity -40°C to 60°C (-40°F to 140°F), 100% non-condensing

Weight Dish + Radio: 3.8 kg (8.4 lbs); with Precision bracket: 6.5 kg (14.3 lbs)

Wind Loading - Front Facing @ 145 km/h (90 mph): < 207 N

@ 200 km/h (124 mph): < 395 N

Dimensions **Radio only:** 34 x 14 x 8 cm (13.9 x 5.5 x 3.1 in.)
Assembled unit: 46 cm (18.1") diameter, 24 cm (9.4") depth

Power Consumption 20W maximum

Input Voltage 40–60 VDC

Mounting Brackets C000000159A - 28 GHz cnWave Precision Bracket Kit
C000000160A - 28 GHz cnWave Fine Adjust Bracket Kit

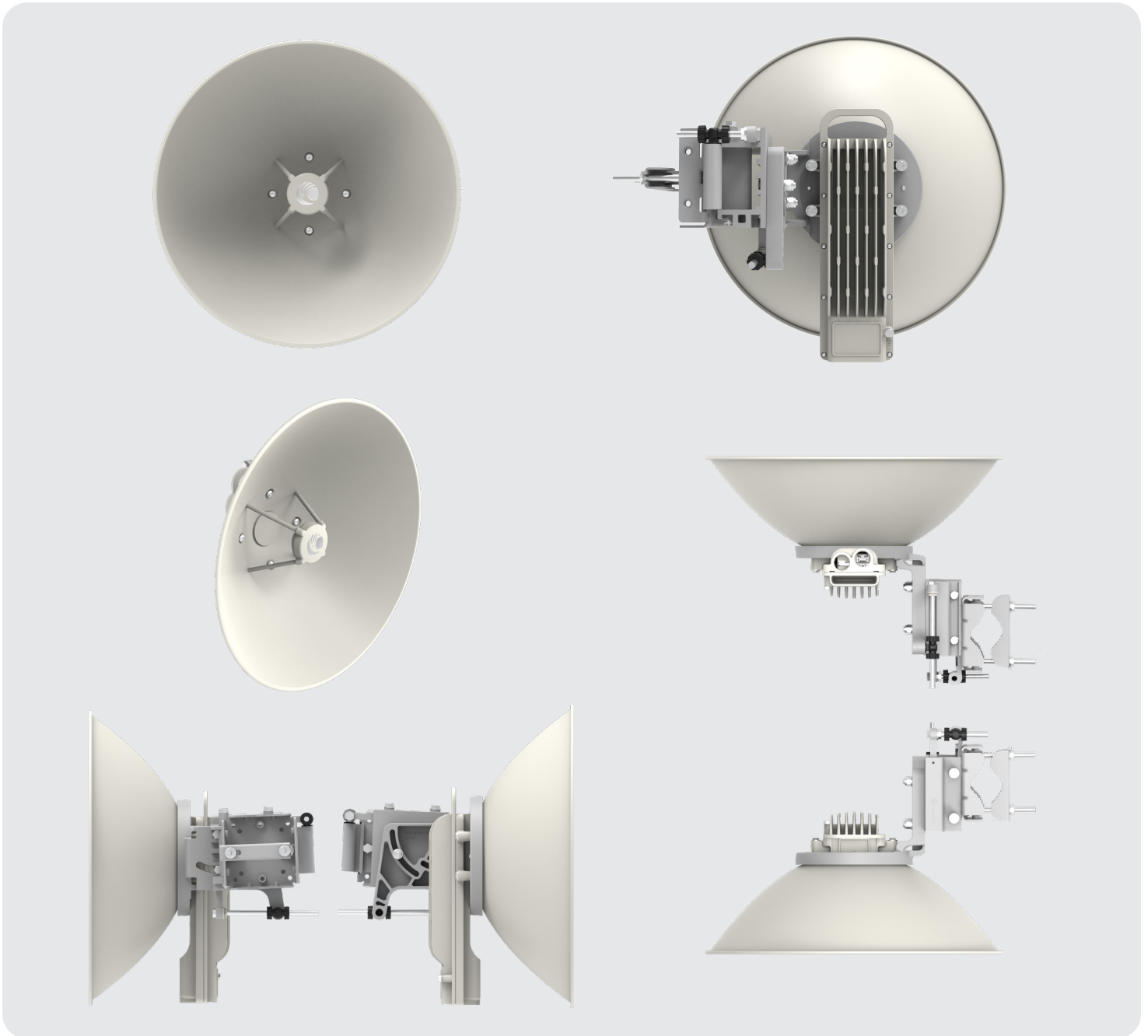
Certifications

ISED Canada RSS-191, SRSP 342.25 & SRSP 325.25

FCC CFR47 Part 101 & CFR47 Part 30

CE EN 302 326-2, v2.1.0

28 GHz cnWave C200 Customer Premises Equipment



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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