

cnRanger Palisade

Remote Radio Head (RRH)



The cnRanger™ Fixed LTE wireless platform from Cambium Networks substantially increases range and coverage, while reducing the cost and complexity typically associated with LTE networks.

- High Power Remote Radio Head (RRH) works through dense foliage where EIRP-limited 5 GHz is not an option.
- Fully managed and controlled by Baseband Unit (BBU)
- 2 LTE carrier support*

SPECIFICATIONS

PRODUCT

Model Name	2 GHz Palisade 220
Model Numbers	2LTE-RRH-220

INTERFACE

Physical Layer	2x2 MIMO OFDMA, SC-FDMA
BBU Interface	SFP+ / CPRI v7.0 Fiber cable: N000000L131A, pre-terminated, 2m cable
DC Power	Power cable N000000L130A, two conductor plus ground

PHYSICAL

Antenna Connection	2 N-Type
Surge Suppression	EN61000-4-5: 1.2us/50us, 500 V voltage waveform
Environmental	IP67
Temperature / Humidity	-40°C to +55°C (-40°F to +131°F), 5 to 95% non-condensing
Weight	6 kg (13.2 lbs)
Dimensions (HxWxD) (including mount)	10 3/4" (H) x 3 3/16" (H) x 12 1/2" (D) (273 mm x 81 mm x 318 mm)
Wind Survival	200 Km/Hr
Optional Mounting Kit	1.5" to 3.0" (38 to 76 mm) pole N000000L128A
Power Consumption	55 W nominal, 72 W peak
Recommended Power Supply	P/N: N000000L129A - XP Power 120 W PSU
Input Voltage	± 48V DC (36V to 60V)

SPECTRUM

Frequency Range	2300 - 2700 MHz, Bands 38, 40, 41
Channel Width	5 MHz*, 10 MHz, 15 MHz*, 20 MHz

LINK BUDGET

Transmit Power Range	42 dB dynamic range (1 dB step)
Maximum Transmit Power	33 dBm per chain, 36 dBm combined

CERTIFICATIONS

FCC ID	Z8H89FT0045 **
ETSI	EN 301 908-1 v11.1 EN 50385 / EN 62311 Draft EN 301 489-50 v2.1.0