

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 v4.2 Fiber cable: N000000L131A, pre-terminated, 2m cable
DC Power	Power cable N000000L130A, two conductor plus ground

PHYSICAL

Antenna Connection	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, P/N: N000000L128A
Power Consumption	55 W nominal, 72 W peak
Recommended Power Supply	P/N: N000000L129A - XP Power 120 W PSU
Input Voltage	± 48V DC

SPECTRUM

Frequency Range	2300 - 2700 MHz, TD-LTE 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