



OneCell® Ruggedized Radio Point 2000-Americas 1 Radio, 3 Bands, External 4.3-10 DIN antenna ports

- Pooled baseband processing with centralized scheduler
- Smart Reuse for multi-sector throughput without border handovers or interference
- Single PCI across multiple Radio Points
- Joint Transmission and Reception
- No borders or handovers within controller

Product Classification

Brand	OneCell®
Product Type	Radio point

General Specifications

Application	LTE delivery for public venues and large enterprises
Fronthaul Interface	IP Ethernet LAN
Physical Interface	RJ45/GigE

Electrical Specifications

Electrical Safety Standard	CAN/CSA 22.2 no. 950 IEC 60950-1:2005 (2nd Edition) +A1:2009 UL 60950-1 (2nd Edition 2011)
Electromagnetic Compatibility (EMC)	US FCC Part 24E US FCC Part 27
Input Voltage Range	PoE+
Power Consumption	25 W

Radio Specifications

Antenna Interface	4.3-10 coaxial connector
Antenna Location	External
Antenna Quantity	2
Frequency Band	1900 MHz 2100 MHz 700 MHz
License Band	10 12 13 17 2 25 4
Modulation Type	DL: QPSK, 16QAM, 64QAM UL: QPSK, 16QAM
Technology	LTE MIMO
Timing and Synchronization	IEEE 1588 v2 (from controller)
Transmit Power	2 x 125 mW

Security Specifications

Boot and Storage Security	Secure Boot, Secure Storage (TrE)
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RP-A2114

Controller to RP Management Security HTTPS
Fronthaul and OTA Security PDCP ciphering

Environmental Specifications

Ingress Protection Test Method IEC 60529:2001, IP66
Operating Temperature -40 °C to +60 °C (-40 °F to +140 °F)

Industry And Government Compliance

General Standard 3GPP Release 10 Local Area Base Station
Health Standard FCC Part 24E | FCC Part 27
Radio Standard FCC Part 24E | FCC Part 27
Transportation Vibration Standard ISTA-3A

Dimensions

Depth 107.00 mm | 4.21 in
Height 235.00 mm | 9.25 in
Net Weight 3.60 kg | 7.94 lb
Width 235.00 mm | 9.25 in

Regulatory Compliance/Certifications

Agency
RoHS 6/6 EU

Classification
Compliant

