

RP-A2014



ONECELL® Radio Point 2000 - Americas 1 Radio, 3 Bands, Internal Antenna

- 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

| | |
|----------------------|-------------|
| Product Type | Radio point |
| Product Brand | ONECELL® |

General Specifications

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|---|--|
| Technology | LTE MIMO |
| Application | LTE delivery for public venues and large enterprises |
| Antenna Location | Internal |
| Antenna Quantity | 2 |
| Boot and Storage Security | Secure Boot, Secure Storage (TrE) |
| Controller to RP Management Security | HTTPS |
| Fronthaul and OTA Security | PDCP ciphering |
| Fronthaul Interface | IP Ethernet LAN |
| General Standard | 3GPP Release 10 Local Area Base Station |
| Health Standard | FCC Part 24E FCC Part 27 |
| Modulation Type | DL: QPSK, 16QAM, 64QAM UL: QPSK, 16QAM |
| Physical Interface | RJ45/GigE |
| Radio Standard | FCC Part 24E FCC Part 27 |
| Timing and Synchronization | IEEE 1588 v2 (from controller) |
| Transmit Power | 2 x 125 mW |

Dimensions

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|---------------|--------------------|
| Height | 235 mm 9.252 in |
| Width | 188 mm 7.402 in |
| Depth | 38.3 mm 1.508 in |

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Electrical Specifications

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| Input Voltage Range | PoE+ |
| 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 |
| Frequency Band | 1900 MHz 2100 MHz 700 MHz |
| License Band | 10 12 13 17 2 25 4 |
| Power Consumption | 25 W |

Mechanical Specifications

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|--|---------|
| Transportation Vibration Standard | ISTA-3A |
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Environmental Specifications

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|------------------------------|------------------------------------|
| Operating Temperature | 0 °C to +50 °C (+32 °F to +122 °F) |
| Fire Rating Standard | UL 2043 |

Packaging and Weights

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|--------------------|-------------------|
| Weight, net | 1.2 kg 2.646 lb |
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