



ONECELL Multi-carrier, indoor Radio Point 6100: Up to 4 bands, Internal Antennas, Copper-fed, PoE

Product Classification

|                |             |
|----------------|-------------|
| Product Type   | Radio point |
| Product Series | RP6100i     |

General Specifications

|                                      |                                                                      |
|--------------------------------------|----------------------------------------------------------------------|
| Technology                           | LTE & 5G NR MIMO                                                     |
| Application                          | ONECELL LTE & 5G NR delivery for public venues and large enterprises |
| Antenna Location                     | Internal                                                             |
| Antenna Quantity                     | 8                                                                    |
| Boot and Storage Security            | Secure Boot, Secure Storage (TrE)                                    |
| Controller to RP Management Security | HTTPS                                                                |
| Coverage Area                        | Up to 10,000 sq. ft                                                  |
| Fronthaul and OTA Security           | PDCCP ciphering                                                      |
| Fronthaul Interface                  | IP Ethernet LAN                                                      |
| General Standard                     | 3GPP Release 18 Local Area Base Station                              |
| Health Standard                      | EN 50385:2002, EN 62479, EN 62311:2008 (Safe touch)                  |
| Modulation Type                      | DL: Up to 256 QAM, UL: Up to 64 QAM                                  |
| Physical Interface                   | RJ45/2 & 10 Gbps                                                     |
| Power over Ethernet (PoE)            | PoE++ (IEEE 802.3bt Type 4)                                          |
| Powering Type                        | PoE powered                                                          |
| Timing and Synchronization           | IEEE 1588 v2 (from controller)                                       |
| Transmit Power                       | Up to 2 W across 4 RMs                                               |

Dimensions

|        |                    |
|--------|--------------------|
| Height | 345 mm   13.583 in |
| Width  | 345 mm   13.583 in |
| Depth  | 91 mm   3.583 in   |

Electrical Specifications

|                            |                                                                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Safety Standard | IEC/UL 62368-1                                                                                                                        |
| Frequency Band             | 1710-1780/2110-2180 MHz (UL/DL)   1850-1915/1930-1995 MHz (UL/DL)   2496-2690/2496-2690 MHz (UL/DL)   3700-3980/3700-3980 MHz (UL/DL) |
| License Band               | B25   B66   n41   n77c                                                                                                                |
| Power Consumption          | 138 W                                                                                                                                 |

Electrical Specifications, Tx (Downlink)

|                   |                                            |
|-------------------|--------------------------------------------|
| Output Power Note | Up to 24 dBm/antenna for 1 GHz-4 GHz bands |
|-------------------|--------------------------------------------|

Mechanical Specifications

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

Environmental Specifications

|                                |                                    |
|--------------------------------|------------------------------------|
| Operating Temperature          | 0 °C to +50 °C (+32 °F to +122 °F) |
| Ingress Protection Test Method | IEC 60529:2001, IP20               |

Packaging and Weights

|             |                    |
|-------------|--------------------|
| Weight, net | 6.2 kg   13.669 lb |
|-------------|--------------------|

Regulatory Compliance/Certifications

| Agency     | Classification                    |
|------------|-----------------------------------|
| CHINA-ROHS | Above maximum concentration value |
| ROHS       | Compliant/Exempted                |
| UK-ROHS    | Compliant/Exempted                |

