

RP5100I



ONECELL® Multi-carrier, indoor Radio Point 5100i: Up to 4 carriers, Internal Antenna

Product Classification

Product Type	Radio point
Product Brand	ONECELL®
Product Series	RP5100

General Specifications

Technology	LTE MIMO
Application	LTE 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	10,000 sq. ft
Fronthaul and OTA Security	PDCP ciphering
Fronthaul Interface	IP Ethernet LAN
General Standard	3GPP Release 10 Local Area Base Station
Health Standard	EN 50385:2002, EN 62479, EN 62311:2008 (Safe touch)
Modulation Type	DL: Up to 256QAM, UL: Up to 64 QAM
Physical Interface	RJ45/1 & 2.5Gbps
Timing and Synchronization	IEEE 1588 v2 (from controller)
Transmit Power	Up to 1 W across 4 RMs

Dimensions

Height	344 mm 13.543 in
Width	344 mm 13.543 in

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Depth 85 mm | 3.346 in

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)

Frequency Band 1710-1785/1805-1880MHz(UL/DL) | 1920-1980/2110-2170MHz (UL/DL) | 2500-2570/2620-2690MHz (UL/DL)

License Band B1 | B12 | B14 | B2 | B3 | B66 | B7

Power Consumption 90 W

Electrical Specifications, Tx (Downlink)

Output Power Note Up to 21 dBm/antenna for sub-1 GHz bands | Up to 24 dBm/antenna for 1 GHz-2.7 GHz bands

Mechanical Specifications

Transportation Vibration Standard ISTA-3A

Environmental Specifications

Operating Temperature 0 °C to +50 °C (+32 °F to +122 °F)

Fire Rating Standard UL 2043

Ingress Protection Test Method IEC 60529:2001, IP20

Packaging and Weights

Weight, net 3.6 kg | 7.937 lb