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 & 2.5 Gbps
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
Depth	85 mm	3.346 in

Electrical Specifications

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

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