



ONECELL Multi-carrier, indoor Radio Point 6100: Up to 3 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	6
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	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 1.5 W across 3 RMs

Dimensions

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

OC-10R0-61C-F03010 | RP6100i - B12/13/14/B25 /n77C

Electrical Specifications

Electrical Safety Standard	IEC/UL 62368-1
Frequency Band	1850-1915/1930-1995 MHz (UL/DL) 3700-3980/3700-3980 MHz (UL/DL) 699-716 + 777-798/729-768 MHz (UL/DL)
License Band	B12 B13 B14 B25 n77c
Power Consumption	128 W

Electrical Specifications, Tx (Downlink)

Output Power Note	Up to 22 dBm/antenna for sub-1 GHz bands 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 kg 13.228 lb
-------------	------------------