

P5G505

Outdoor TDD Radio Unit

P5G505: Is a high-performance, O-RAN compliant Radio Unit for 5G outdoor deployments.

- 4T4R configuration with 5W per channel output power for robust performance
- IP65-rated for outdoor use, supporting external antennas
- Compliant with 3GPP 5G NR standards
- O-RAN 7-2x split architecture with Fronthaul interface supporting CUSM-Plane
- Compatible with TDD/n48/n78 frequency bands
- Equipped with a 10G SFP+ interface for DU or FHM connectivity



Technology

Standard	3GPP TS 38.104, O-RAN Option 7-2x Cat A, O-RU CUSM-Plane
Duplex Mode	TDD
Frequency Band	n48 (3550 MHz to 3700 MHz), n78 (3300MHz to 3800MHz)
Channel Bandwidth	Up to 100MHz
Multiplexing	MIMO: 4T4R

Interfaces

Ethernet	1 x 10G SFP+ (Fronthaul), 1 x 1GbE RJ45 (Debug), 1 x 1GbE RJ45 (Console)
Power Supply	100~240V AC
LED Indicators	SFP+, GPS, Power, Status
GPS	SMA
Antenna	N-Type



Link Budget

Modulation	up to 256 QAM (UL/DL)
UL Sensitivity	-90 dBm (100 MHz)
Max. Transmit Power	5W (37 dBm) per channel

Physical

Ingress Protection Rating	IP65
Operating Temperature	-40 °F to 131 °F (-40 °C to +55 °C)
Humidity	5% to 95%
Power Consumption	150W maximum
Weight	33.1 lbs. (15 kg)
Dimensions (H x W x D)	16.8 x 12.4 x 5.4 in (428 x 316 x 137 mm)
Installation	Wall and pole mounting

Global Part Numbers

P5G-APO505-n48	Outdoor High power 5G Access Point (PSG505-48) band n48 4x4 MIMO 37dBm 5W
P5G-APO505-n78	Outdoor High power 5G Access Point (PSG-78) band n78 4x4 MIMO 37dBm 5W

Specifications and ID are subject to change without notice.