

G505

Outdoor TDD Radio Unit



The GXC G505 is an advanced O-RAN compliant Radio Unit, delivering 4T4R at 5W per antenna port.

- E IP65 outdoor rated
- 3GPP 5G NR
- O-RAN 7-2x split architecture and Fronthaul interface supporting CUSM-Plane
- TDD/n48/n78 compatibility
- External antennas/4T4R
- 1CC up to 100 MHz bandwidth



Technology	
Standard	3GPP TS38.104, Option 7-2x Category A, O-RU CUSM-Plane
Duplex Mode	TDD
Frequency Band	n48 (3550MHz to 3700MHz) n78 (3300MHz to 3800MHz)
Channel Bandwidth	1CC up to 100MHz
Multiplexing	MIMO: 4T4R
Sub Carrier Spacing (SCS)	30 kHz

Interfaces	
Interfaces	1 x 10G SFP+ (Fronthaul) 1 x 1GbE RJ45 (Debug) 1 x 1GbE RJ45 (Console)
Power	100-240V AC, 50-60Hz
Network Management	Web-based EMS Northbound NETCONF/YANG
LED Indicators	SFP+, GPS, Power, Status
GPS	SMA
Antenna	External, N-type

Link Budget	
Modulation	256QAM (UL/DL)
Max. Transmit Power	5W (37 dBm) per RF antenna port

Compliance	
3GPP	TS38.114 Section 6, 7
EMC	EN 301489-1/-50, EN55032/55035, FCC Part 15 Class B
Safety	IEC/EN 60950-1 , CB - IEC/EN 62368-1
RF	EN 30190B-1, EN 301908-24, EN 55385 (MPE) FCC Part 96 (CBRS), 5G NR JRL [CE RED pending]

Physical	
Ingress Protection Rating	IP65
Operating Temperature	-40 to 131 °F (-40 °C to +55°C), 5 to 95 % RH
Power Consumption	150W maximum
Weight	33.1 lb (15 kg)
Dimensions (HxWxD)	16.8 x 12.4 x 5.4 in (428 x 316 x 137mm)
Installation	Wall / Pole mount

Global Part Numbers	
GXC-APOCn48-505	G505 Outdoor TDD Radio Unit – n48 5W 4x4 MIMO
GXC-APOCn78-505	G505 Outdoor TDD Radio Unit – n78 5W 4x4 MIMO

*Specifications and ID are subject to change without notice.