

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

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

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

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

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

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

\*Specifications and ID are subject to change without notice.