

G101

Indoor Access Point



The GXC G101 is an advanced, two-carrier indoor Access Point compliant with 3GPP LTE TDD technology. Featuring 4x250mW output power, it supports Carrier Aggregation (CA) and Dual Carrier (DC) modes, allowing flexible deployments.



Technology Specifications

Standard	LTE TDD RAN (3GPP Release 15 Compliant)
TDD UL/DL Configuration	1, 2, 6 (with Special Subframe Configuration 7)
Frequency Band	B48 (3550 MHz–3700 MHz)
Channel Bandwidth	SC: 5/10/15/20 MHz CA: 40 MHz as maximum aggregated bandwidth
Multiplexing	MIMO: 2x2 (DL)
Synchronization	GPS, 1588v2
Security	Radio: SNOW 3G/AES-128 Backhaul: IPsec (X.509 AES-128, AES-256, SHA-128, SHA-256)

Interfaces	
Ethernet Interface	1 RJ-45 Ethernet interface (1 FE/GE)
Power Supply	PoE++ (IEEE 802.3bt compliant)
Network Management	IPv4/IPv6, HTTP/HTTPs, SNMPv2c, TR-069, SSH
LED Indicators	4 x status LED CELL1/CELL2/ALM/PWR
Antenna Connection	4 x N-Type connector, external high-gain antenna
GPS Antenna	N-Type connector, external GPS antenna,

Link Budget	
Antenna Connection	N-Type connector for external high-gain antenna
GPS Antenna	External GPS antenna, N-Type connector
Power Control	UL Open-loop/Closed-loop Power Control, DL Power Allocation (3GPP TS 36.213 compliant)
User Capacity	Up to 96 RRC connected users per cell (4 users per TTI) <ul style="list-style-type: none"> SC/CA: 96 RRC connected users DC: 96+96 RRC connected users
Maximum Deployment Range	5 kilometers
Latency	30 milliseconds
Receive Sensitivity	-100 dBm (per channel)
Modulation	MCS0 (QPSK) to MCS27 (256 QAM) DL: QPSK, 16 QAM, 64 QAM, 256 QAM UL: QPSK, 16 QAM, 64 QAM
Transmit Power Range	0 to 24 dBm per channel (combined +30 dBm, configurable) (1 dB interval)

Physical	
Ingress Protection Rating	IP65
Operating Temperature	-40°F to 131°F (-40°C to 55°C)
Storage Temperature	-58°F to 149°F (-50°C to 65°C)
Humidity	5% to 95% RH
Atmospheric Pressure	70 kPa to 106 kPa
Power Consumption	Typical 20 W, Maximum 25 W
Weight	With pre-installed bracket: 10.5 lb./4.75 kg Without bracket: 9.6 lb./4.35 kg
Dimensions (H x W x D)	With joint: 15.0 x 8.9 x 3.0 inches (381 x 227 x 75 millimeters) Without joint and handle: 12.2 x 8.9 x 3.0 inches (311 x 227 x 75 millimeters)
Installation	Pole or wall mount

Global Part Numbers	
GXC-APOC-101	G101 Outdoor TDD Access Point – LTE Release 15, 4x250mW (24 dBm), 1FE/GE, PoE++, 3.5 GHz (3550 MHz–3700 MHz), B48, external antenna

*Specifications and ID are subject to change without notice.