

# G100

## Indoor Access Point



The GXC G100 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	
Standard	LTE TDD RAN (3GPP Release 15 Compliant)
TDD UL/DL Configuration	1, 2, 6 (with Special Subframe Configuration 7)
Frequency Band	B48 (3550MHz–3700MHz)
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 optical (SFP) and 1 RJ-45 Ethernet interface (1 GE)
Power Supply	12 VDC 2A, PoE+/48 V 0.6 A, complies with IEEE 802.3at standard
Network Management	IPv4/IPv6, HTTP/HTTPS, SNMPv2c, TR-069, SSH
LED Indicators	4 x status LED CELL1/CELL2/ALM/PWR
GPS Antenna	External GPS antenna, SMA connector

Link Budget	
RF Antenna	3 dBi built-in omni antenna
Maximum EIRP	33 ± 1 dBm
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"> <li>SC/CA: 96 RRC connected users</li> </ul> DC: 96+96 RRC connected users
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	
Operating Temperature	23°F to 113°F (-5°C to 45°C)
Storage Temperature	14°F to 122°F (-10°C to 50°C)
Humidity	5% to 95% RH
Atmospheric Pressure	70 kPa to 106 kPa
Power Consumption	≤ 20 W
Weight	3.3 lb. (1.5 kg)
Dimensions (H x W x D)	8.7 x 8.7 x 1.9 inches (220 x 220 x 48 millimeters)
Installation	Ceiling or wall mount

## Global Part Numbers

GXC-APIC-100	G100 Indoor TDD Access Point – LTE Release 15, 4x250mW (24 dBm), 1GE+1OPT, 3 dBi built-in antenna, 3.5 GHz (3550 MHz–3700 MHz), B42/43/48
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\*Specifications and ID are subject to change without notice.