

CEL-FI GO G41 FN

In-Building Cellular Coverage Solution

KIT#: G41-CE-003

The CEL-FI GO G41 FN is a cellular coverage solution for AT&T signals, including FirstNet Band 14 to ensure reliable in-building FirstNet connectivity. The most powerful FirstNet coverage solution in its class, GO G41 FN features the latest 4th generation Nextivity proprietary IntelliBoost technology to deliver channelized signal boosting and industry-leading signal gain up to 100 dB that keeps police officers, fire safety personnel, and other emergency response teams connected. In addition to being an “off-air” solution, GO G41 FN can be installed quickly by Nextivity system integration partners and offers remote system monitoring via the Nextivity WAVE Portal.



CEL-FI GO G41 FN

Features and benefits include:

- Latest 4th generation Nextivity proprietary IntelliBoost chip delivers channelized coverage for FirstNet and AT&T signals
- Ready to extend coverage for future 5G networks with Band 14
- Industry-leading signal gain up to 100 dB to overcome coverage challenges where no other solution can
- Automatic gain control (AGC) feature dynamically. feature automatically adjusts the signal strength to prevent interference with the MNO network
- System monitoring via Nextivity WAVE App and management with WAVE Portal


 Use Nextivity **WAVE** App to view real-time system performance.


Specifications

Frequency Bands	2/4/5/12/14/25
Relay Channel Bandwidths (MHz)	5/10/15/20
Networks	4G/5G
Network Protocols	LTE/DSS/NR*
Network Selection	Automatically best available (WAVE App for manual setting)
Duplex Modes	FDD
# of Relay Bands (MHz max.)	2
Relay Bandwidth (MHz max.)	20 + 20
Output Downlink Power (All Bands) (dBm max.)	16
Output Uplink Power (Bands 2/4/25) (dBm max.)	22
Output Uplink Power (Bands 5/12/14) (dBm max.)	20
System Gain (dBm max.)	100
Enterprise-Grade Echo Cancellation (dB min.)	30
Return Loss (dB typ.)	-8
Impedance (Ω nom.)	50

*Available with software update in 2024

Bands

Frequency Bands	Downlink (MHz)	Uplink (MHz)	Max. Relay BW (MHz)
2	1930-1990	1850-1910	20
4	2110-2155	1710-1755	20
5	869-894	824-849	15
12	729-746	699-716	10
14	758-768	788-798	10
25	1930-1995	1850-1915	20

Interface

Donor RF Connector	SMA (f)
Server RF Connector	SMA (f)
DC Input	5.5 x 2.5 mm (f) Barrel
Device Setup	Bluetooth for WAVE App
Power & System Status	Bi-color LED (Green/Red)
LAN Status	LED (Green)
Factory Debug only	USB 2.0 Micro-B
System Management & SW Updates	WAVE App for iOS 11.0 or later WAVE App for Android WAVE Portal for Desktop

Compliance

3GPP	TS 25.143 Rel 13 3GPP TS 36.143 Rel 13
FCC	Compliant Part 15, Part 20, Part 22, Part 24, Part 27, Part 90
RoHS3	EN 63000: 2018
UL	Yes
Bluetooth	LE Ver 4.2

Power Supply

Power Consumption (W max.)	30
Power Supply Plug	Type A (US)
Power Supply Cable	18 AWG
Power Supply Cable Length (ft (m))	6 (1.85)

Environmental

Operating Temperature (°F (°C))	32 to 104 (0 to 40)
Storage Temperature (°F (°C))	-31 to 158 (-35 to 70)
Heat Dissipation	Passive Convection
Surface Temperature (°F (°C) max. at ambient)	111.2 (44)
Non-condensing Humidity (%)	0 to 95
Ingress Protection Rating	IPX0 Indoor Only

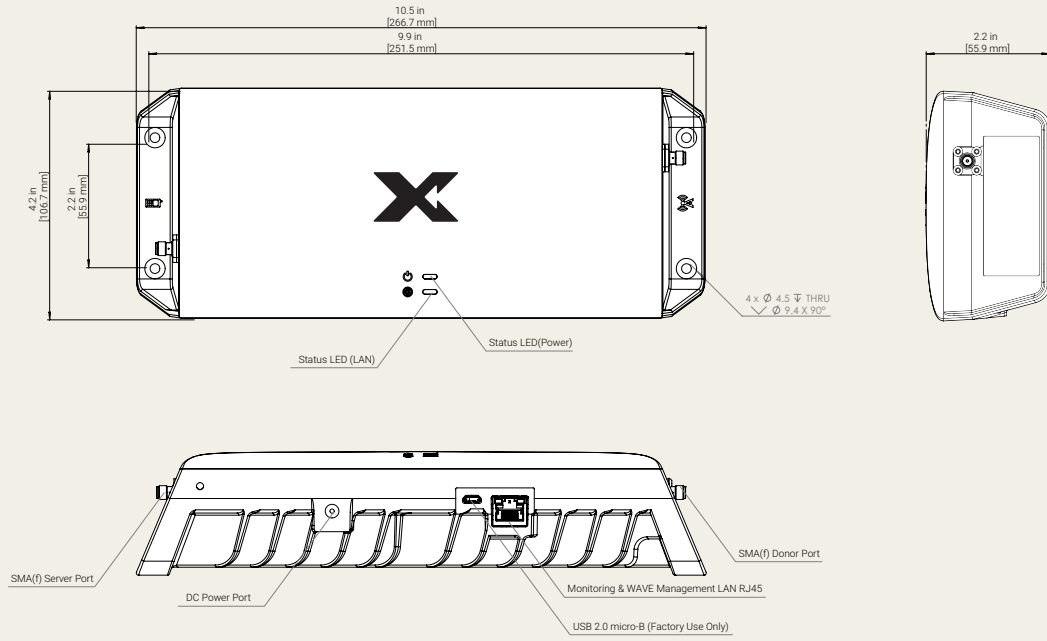
Mechanical

Main Unit Dimensions (in (mm))	10.5 x 4.2 x 2.2 (266.7 x 106.7 x 55.9)
Main Unit Weight (lbs (kg))	2.3 (1.0)

Ordering Information

KIT#	G41-CE-003
Region	USA
Frequency Bands	2/4/5/12/14/25
Box Contents	Main Unit 1x AC Adapter (290N025-001) 4x Mounting Screws 4x Drywall Anchors Quick Installation Guide
Kit Shipping Dimensions (in (mm))	16.3 x 4.9 x 3.0 (413 x 124 x 76)
Kit Shipping Weight (lbs (kg))	3.3 (1.50)
Harmonized Tariff Schedule (HTS)	8517.18.00.50
Export Control Classification Number (ECCN)	EAR99

CEL-FI GO G41 FN Main Unit



Product specifications are subject to change without prior notification.