

# CEL-FI GO G43 FN

## In-Building Cellular Coverage Solution

**MODEL NUMBERS:** G43-CBBE

Designed to offer retailers, convenience stores, quick serve restaurants, and other small businesses a fast way to solving in-building cellular coverage challenges, the CEL-FI GO G43 FN is a multi-operator cellular coverage solution that ensures reliable in-building 4G and future 5G NR connectivity for up to three Mobile Network Operator (MNO) signals. In addition to offering the ease of installation that CEL-FI GO systems are known for, GO G43 FN features support for FirstNet on Port A along with the latest Nextivity proprietary 4th generation IntelliBoost technology to deliver the same multi-operator, channelized signal boosting performance as the flagship CEL-FI QUATRA line of products. The system also offers remote system monitoring and management via the Nextivity WAVE Portal.



### Features and benefits include:

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

### Specifications

Frequency Bands	2/4/5/12/13/14/25
Relay Channel Bandwidths (MHz)	5/10/15/20
Networks	4G/5G
Network Protocols	LTE/DSS/NR
Antenna Technology	SISO
Network Selection	Automatically best available (WAVE Portal for manual setting)
Duplex Modes	FDD
# of Relay Bands (max.)	6
Relay Bandwidth per Donor Port (MHz max.)	20 + 20
Output Downlink Power (All Bands) (dBm max. per band per port)	17
Output Downlink Power (All Bands) (dBm max. per channel per port)	12
Output Uplink Power (Bands 2/4/25) (dBm max.)	22
Output Uplink Power (Bands 5/12/13/14) (dBm max.)	20
System Gain (dBm max.)	100
Enterprise-Grade Echo Cancellation (dB min.)	30
Return Loss (dB typ.)	-8
Impedance ( $\Omega$ nom.)	50

### 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
13	746-756	777-787	10
14	758-768	788-798	10
25	1930-1995	1850-1915	20

## Interface

Donor RF Connector	3x N-type (f)
Server RF Connector	3x N-type (f) (2x N-type (f) terminated)
DC Input	Power DIN, 4 Pin
Power & System Status	3x Bi-color LED (Green/Red)
LAN Status	1x LED (Green)
Factory Debug only	3x USB 2.0 Micro-B
System Management & SW Updates	RJ45 for 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
ISED	Yes

## Power Supply

Power Consumption (W max.)	102
Input Voltage (VDC)	11.4 to 12.6
Input Current (A max.)	8.5
Power Supply Plug	Type A (US)
Power Supply AC Cable	18 AWG
Power Supply Cable Length (ft (m))	6 (1.85)
Power Supply DC Cable	16 AWG
Power Supply DC Cable Length (ft (m))	3.3 (1)

## 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

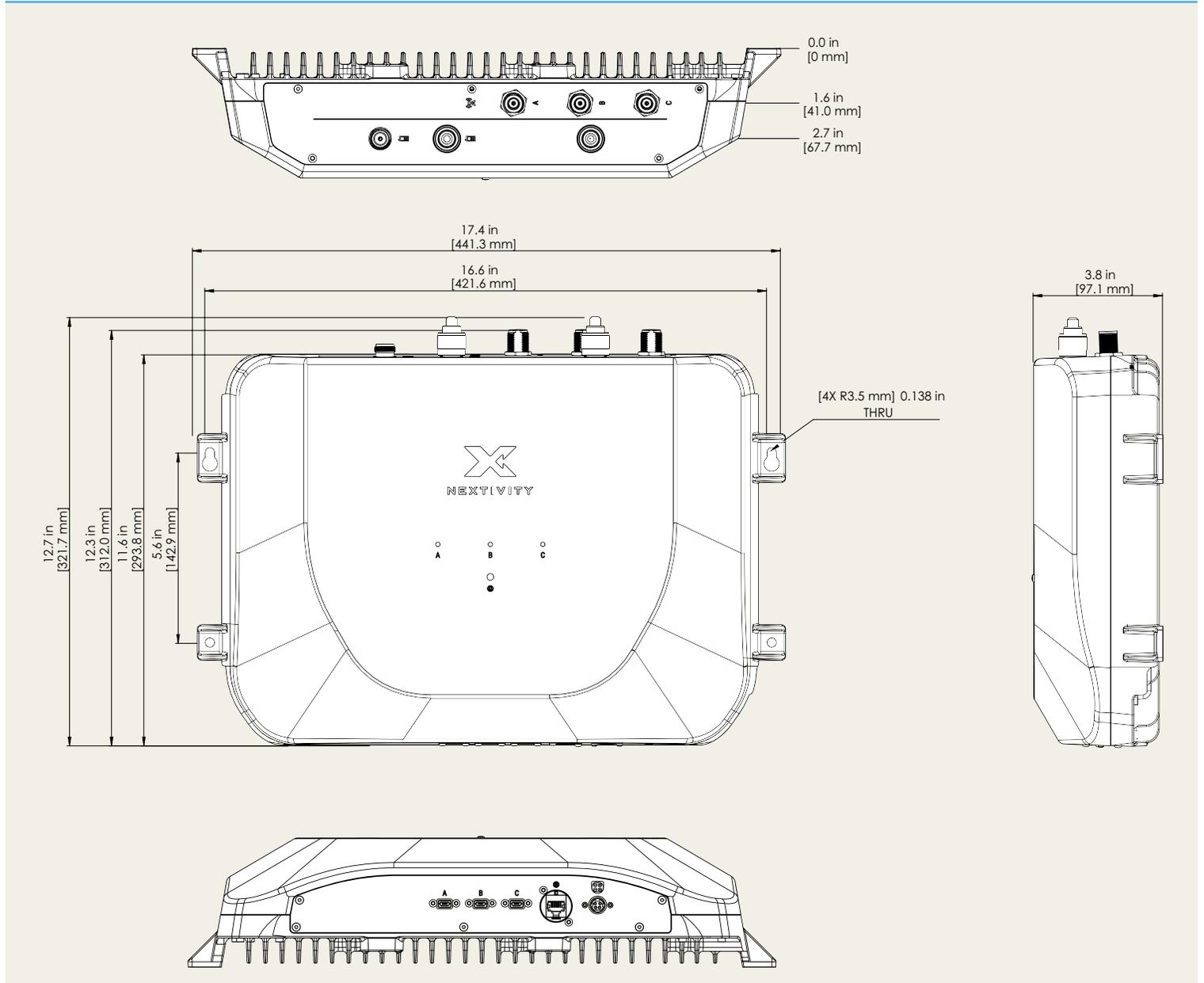
## Mechanical

Main Unit Dimensions (in (mm))	17.4 x 12.3 x 3.8 (441 x 312 x 97)
Main Unit Weight (lbs (kg))	15.4 (7.0)

## Ordering Information

MODEL NUMBER	G43-CBBE
Region	AMER
Frequency Bands	2/4/5/12/13/14/25
Box Contents	Main Unit
	1x AC Adapter (290N156-001)
	4x Mounting Screws
	4x Drywall Anchors
	1x AC Cable (249N001-001)
Shipping Dimensions (in (mm))	23.5 x 16.0 x 6.8 (597 x 406 x 172)
Shipping Weight (lbs (kg))	19.5 (8.85)
Harmonized Tariff Schedule (HTS)	8517.18.00.50
Export Control Classification Number (ECCN)	EAR99

# CEL-FI GO G43 Outline



Product specifications are subject to change without prior notification.



[nextivityinc.com/products/cel-fi-go-g43-fn](https://nextivityinc.com/products/cel-fi-go-g43-fn)

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