

CEL-FI GO G41

In-Building Cellular Coverage Solution

KIT#: G41-BE-003

Combining unmatched performance with ease of installation, CEL-FI GO G41 is a single-operator cellular signal booster that delivers reliable in-building 4G and 5G connectivity for “small box” retail stores, branch offices, and homes. In addition to featuring the latest Nextivity proprietary 4th generation IntelliBoost technology, which delivers channelized signal boosting and industry-leading signal gain up to 100 dB, GO G41 can be installed in as little as one day and can be monitored and managed remotely via the Nextivity WAVE Portal. GO G41 also gives you the flexibility to select and switch which MNO signal to boost via the Nextivity WAVE App.



CEL-FI GO G41

Features and benefits include:

- Latest 4th generation Nextivity proprietary IntelliBoost chip delivers channelized coverage for specific mobile network operator’s (MNO) signals
- Ready to extend coverage for future 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 via Nextivity WAVE App and management with WAVE Portal


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


Specifications

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|--|--|
| Frequency Bands | 2/4/5/12/13/25 |
| 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 5/12/13) (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 |
| 13 | 746-756 | 777-787 | 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 | Bi-color LED (Green/Red) |
| 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

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|-----------|--|
| 3GPP | TS 25.143 Rel 13 3GPP TS 36.143 Rel 13 |
| FCC | Compliant Part 15, Part 20, Part 22, Part 24, Part 27 |
| RoHS3 | EN 63000: 2018 |
| UL | Yes |
| ISED | 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 |

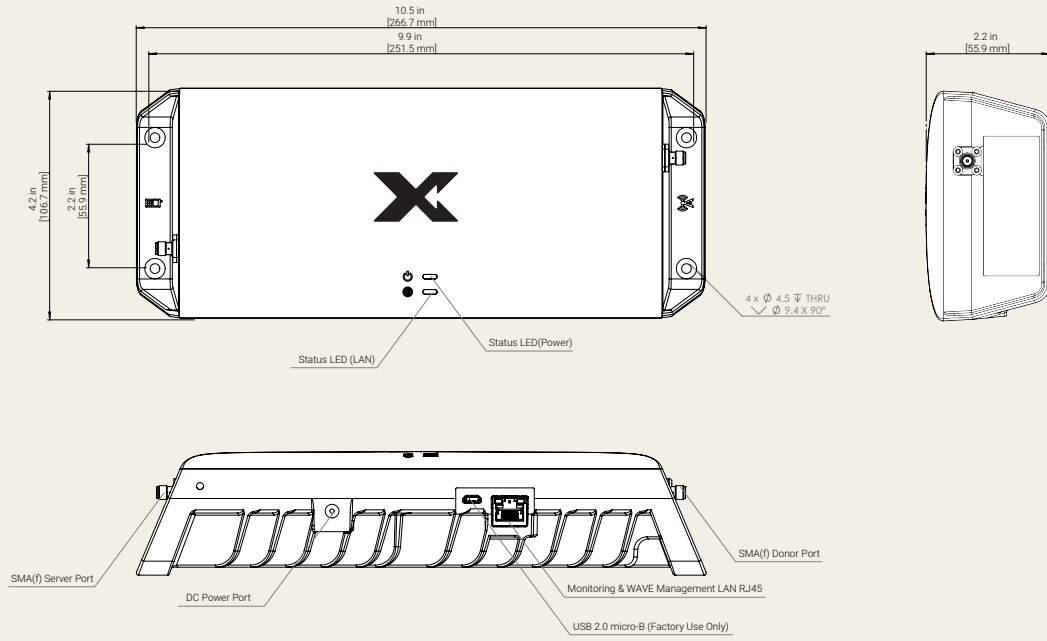
Mechanical

| | |
|--------------------------------|---|
| 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

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|---|--|
| KIT# | G41-BE-003 |
| Region | AMER |
| Frequency Bands | 2/4/5/12/13/25 |
| 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 Main Unit Outline



Product specifications are subject to change without prior notification.