

# Nextivity Cel-Fi GO G41-JE Cellular 4G-5G Stationary Repeater

SKU: RPR-CF-00695  
 MPN: G41-JE  
 Barcode: 812037032790

## Description

Designed to solve cellular coverage issues for indoor environments, the Cel-Fi GO G41 Smart Signal Booster is the most powerful carrier-grade solution available. Providing up to 100 dB gain, GO G41 delivers class-leading 3G/4G/5G voice and data performance. GO G41 also supports 5GNR operation for seamless network migration and consistent connectivity. In addition to providing cellular coverage up to 3,000 m<sup>2</sup> (1,500 m<sup>2</sup> in U.K.) when configured with the included donor and server antennas, the system can be expanded with outdoor or additional server antennas for an increased coverage footprint. Plus, GO G41 is network safe and offers class-leading ease of installation.



## RF Specification

|  |                        |                   |          |
|--|------------------------|-------------------|----------|
| Simultaneous Bands:  | 2                      | Relay Bandwidth:  | 40 MHz   |
| Downlink Max. Gain:  | 100 dB                 | Uplink Max. Gain: | 100 dB   |
| Supported Technologies:  | 3G UMTS, 4G LTE, 5G NR | Noise Figure:     | ≤ 7 dB   |
| <br><b>Nextivity</b><br><small>Nextivity, Inc. develops and sells in-building cellular coverage technology products and solutions. The Company helps wireless subscribers and increases radio frequency network capacity for mobile network operators. Nextivity operates in the State of California.</small><br><small>Nextivity is best known for its Cel-Fi range of mobile repeater solutions which provide low cost improved in-building coverage solutions.</small> |                        | Group Delay:      | ≤ 5.50 s |
|  | Supported Bands        |                   |          |

| Frequency Band | Duplex Method | MIMO     | Downlink Output Power | Uplink Output Power | Max. Channel Width | Downlink Start Frequency | Downlink Stop Frequency | Uplink Start Frequency | Uplink Stop Frequency |
|----------------|---------------|----------|-----------------------|---------------------|--------------------|--------------------------|-------------------------|------------------------|-----------------------|
| B1 (2100 MHz)  | FDD           | 1x1 SISO | 20 dBm                | 22 dBm              | 20 MHz             | 2110 MHz                 | 2170 MHz                | 1920 MHz               | 1980 MHz              |
| B3 (1800 MHz)  | FDD           | 1x1 SISO | 20 dBm                | 22 dBm              | 20 MHz             | 1805 MHz                 | 1880 MHz                | 1710 MHz               | 1785 MHz              |
| B5 (850 MHz)   | FDD           | 1x1 SISO | 20 dBm                | 20 dBm              | 15 MHz             | 869 MHz                  | 894 MHz                 | 824 MHz                | 849 MHz               |
| B7 (2600 MHz)  | FDD           | 1x1 SISO | 20 dBm                | 22 dBm              | 20 MHz             | 2620 MHz                 | 2690 MHz                | 2500 MHz               | 2570 MHz              |
| B8 (900 MHz)   | FDD           | 1x1 SISO | 20 dBm                | 20 dBm              | 15 MHz             | 925 MHz                  | 960 MHz                 | 880 MHz                | 915 MHz               |
| B28 (700 MHz)  | FDD           | 1x1 SISO | 20 dBm                | 20 dBm              | 20 MHz             | 758 MHz                  | 788 MHz                 | 703 MHz                | 733 MHz               |
| B40 (2300 MHz) | TDD           | 1x1 SISO | 20 dBm                | 22 dBm              | 20 MHz             | 2300 MHz                 | 2390 MHz                | 2300 MHz               | 2390 MHz              |

#### RF Connections

| RF Connector Function | Quantity | RF Interface | Notes |
|-----------------------|----------|--------------|-------|
| Donor Input           | 1        | SMA Female   |       |
| Service Output        | 1        | SMA Female   |       |

#### Network Interfaces

##### Wireless Interfaces

### Bluetooth Interface

|           |               |              |         |
|-----------|---------------|--------------|---------|
| Protocol: | Bluetooth 4.2 | Power Class: | Class 3 |
|-----------|---------------|--------------|---------|

##### Ethernet Interfaces

| Interface   | Quantity | Function   | Signalling |
|-------------|----------|------------|------------|
| RJ45 Copper | 1        | Management | 100BASE-T  |

## Physical Specification

|                            |                   |                             |       |
|----------------------------|-------------------|-----------------------------|-------|
| Ingress Protection:        | IP20              | Min. Operating Temperature: | 0 °C  |
| Mounting:                  | Screw / Bolt      | Max. Operating Temperature: | 40 °C |
| Dimensions:                | 260 × 107 × 63 mm | Weight:                     | 2 kg  |
| Compliance/Certifications: | CE                |                             |       |
| R-NZ                       |                   |                             |       |
| RCM                        |                   |                             |       |
| RoHS                       |                   |                             |       |

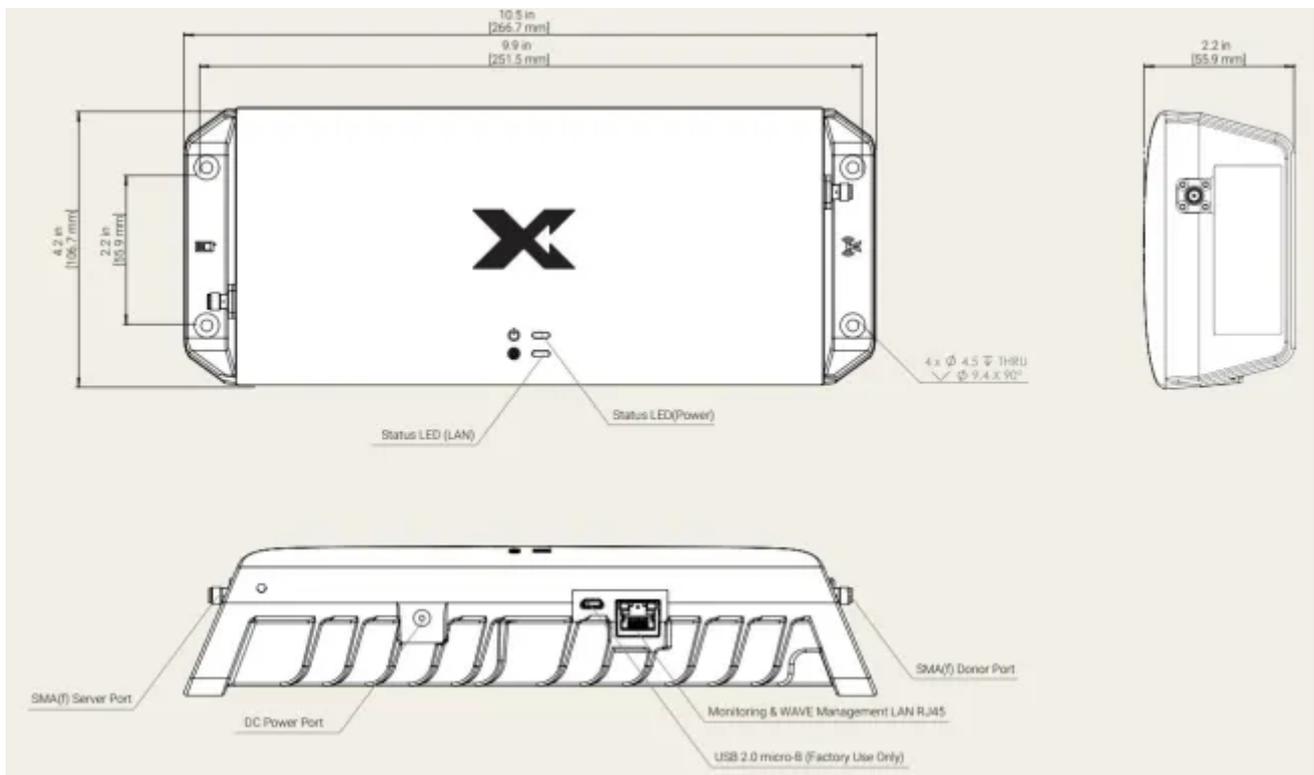
Device Power Specifications

|                   |      |
|-------------------|------|
| Max. Consumption: | 40 W |
|-------------------|------|

Power Interface

| Power Connector                         | Min. Input Voltage | Max. Input Voltage | Voltage Type |
|---|--------------------|--------------------|--------------|
| DC Coaxial, Type A, Female 5.5 x 2.5 mm | 9 V                | 13 V               | DC           |

Drawing



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