

Nextivity Cel-Fi GO G31-3/5/28L Repeater

SKU: RPR-CF-00065

MPN: G31-3/5/28 EXA

Description

The Cel-Fi GO is an extremely effective repeater designed to improve mobile phone and data coverage. This model has been designed to improve Telstra 3G and 4G services in a matter of minutes.

Setting up the repeater to improve indoor mobile coverage is simple. The unit has an input connection and an output connection which are set up as follows:

- Input connection: connected to roof mounted antenna by cable
- Output connection: can either connect directly to an antenna, or can use one or more cables to distribute signal elsewhere.



Read More

The Cel-Fi GO works by decoding and amplifying weak signal detected by the roof mounted antenna. This cleaner signal is then rebroadcast at full "five bar" strength by the antenna connected to the output port.

Mobile services can be distributed throughout a large home or building by using a series of antennas, creating localised hotspots of 3G or 4G service. This type of system is known as a Distributed Antenna System (DAS) and needs to be carefully designed to ensure proper functioning.

The Telstra Cel-Fi GO can operate on one frequency band at a



Nextivity

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.

Nextivity is best known for its Cel-Fi range of mobile repeater solutions which provide low cost improved in-building coverage solutions.

RF Specification

| | | | |
|-------------------------|-----------------|-------------------|--------|
| Simultaneous Bands: | 1 | Relay Bandwidth: | 20 MHz |
| Downlink Max. Gain: | 100 dB | Uplink Max. Gain: | 100 dB |
| Supported Technologies: | 3G UMTS, 4G LTE | | |

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 |
|----------------|---------------|----------|-----------------------|---------------------|--------------------|--------------------------|-------------------------|------------------------|-----------------------|
| B3 (1800 MHz) | FDD | 1x1 SISO | 16 dBm | 22 dBm | 20 MHz | 1805 MHz | 1880 MHz | 1710 MHz | 1785 MHz |
| B5 (850 MHz) | FDD | 1x1 SISO | 15 dBm | 20 dBm | 15 MHz | 869 MHz | 894 MHz | 824 MHz | 849 MHz |
| B28 (700 MHz) | FDD | 1x1 SISO | 16 dBm | 20 dBm | 20 MHz | 758 MHz | 788 MHz | 703 MHz | 733 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 |
|-----------|---------------|--------------|---------|

Physical Specification

| | | | |
|----------------------------|------------------|-----------------------------|--------|
| Ingress Protection: | IP54 | Min. Operating Temperature: | 0 °C |
| Mounting: | Screw / Bolt | Max. Operating Temperature: | 65 °C |
| Dimensions: | 255 × 87 × 28 mm | Weight: | 0.6 kg |
| Compliance/Certifications: | CE | | |
| | R-NZ | | |
| | RCM | | |
| | RoHS | | |

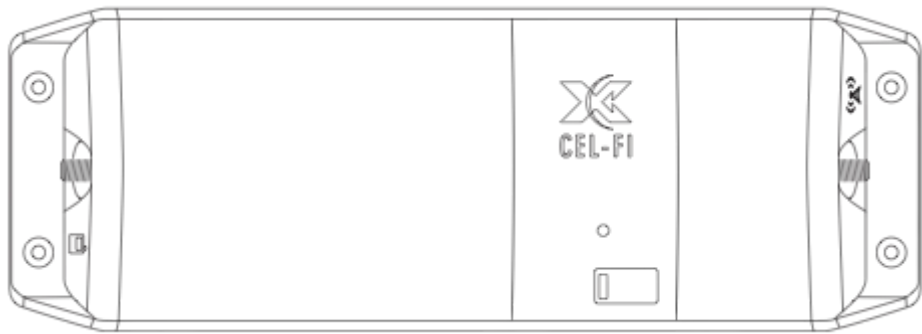
Device Power Specifications

| | |
|-------------------|------|
| Max. Consumption: | 15 W |
|-------------------|------|

Power Interface

| Power Connector | Min. Input Voltage | Max. Input Voltage | Voltage Type |
|---|--------------------|--------------------|--------------|
| DC Coaxial, Type A, Female 5.5 x 2.5 mm | 9.6 V | 28.8 V | DC |

Drawing



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