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Nextivity Cel-Fi ROAM R41-JE Cellular 4G-5G Vehicle Repeater

SKU
RPR-CF-00870
MPN
R41-YB-004
Barcode
812037034183

Description

Perfect for nomadic applications, CEL-FI ROAM R41 is a plug-and-play cellular coverage solution that keeps people connected on the water or road. Whether you’re making calls during your cross-country road trip, streaming music on your weekend boating adventures, or have a fleet that requires cellular connectivity, ROAM R41 ensures you have reliable voice and data in transit. Suitable replacement for GO G31 and GO G32 (mobile systems).

The CEL-FI ROAM R41 mobile cellular coverage solution delivers reliable 3G, 4G, and 5G connectivity inside vehicles and boats. With the latest Nextivity propriety IntelliBoost chip, ROAM R41 offers enterprise-grade performance to solve poor coverage and enable dependable calling, texting, and streaming on the move. The system features plug-and-play operation for quick and easy set up, improving connectivity in any car, truck, RV, or boat within minutes. ROAM R41 also supports carrier switching through the Nextivity WAVE App for iOS and Android devices.



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
Downlink Max. Gain
100 dB
Supported Technologies
3G UMTS, 4G LTE, 5G NR
Relay Bandwidth
20 MHz
Uplink Max. Gain
100 dB
Supported Bands

Frequency Band	Duplex Method	MIMO	Downlink Output Power	Uplink Output Power	Max. Channel Width	Downlink Start Frequency	Downlink Stop Frequency	Uplink Start Frequer
B1 (2100 MHz)	FDD	1x1 SISO	0 dBm	24 dBm	20 MHz	2110 MHz	2170 MHz	1920 MH

Frequency Band	Duplex Method	MIMO	Downlink Output Power	Uplink Output Power	Max. Channel Width	Downlink Start Frequency	Downlink Stop Frequency	Uplink Start Frequency
B3 (1800 MHz)	FDD	1x1 SISO	0 dBm	24 dBm	20 MHz	1805 MHz	1880 MHz	1710 MHz
B5 (850 MHz)	FDD	1x1 SISO	0 dBm	22 dBm	20 MHz	869 MHz	894 MHz	824 MHz
B7 (2600 MHz)	FDD	1x1 SISO	0 dBm	24 dBm	20 MHz	2620 MHz	2690 MHz	2500 MHz
B8 (900 MHz)	FDD	1x1 SISO	0 dBm	22 dBm	15 MHz	925 MHz	960 MHz	880 MHz
B20 (800 MHz)	FDD	1x1 SISO	0 dBm	22 dBm	20 MHz	791 MHz	821 MHz	832 MHz
B28 (700 MHz)	FDD	1x1 SISO	0 dBm	22 dBm	20 MHz	758 MHz	788 MHz	703 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

IPX0

Mounting

Screw / Bolt

Dimensions

170.2 × 78.7 × 43.2 mm

Compliance/Certifications

CE

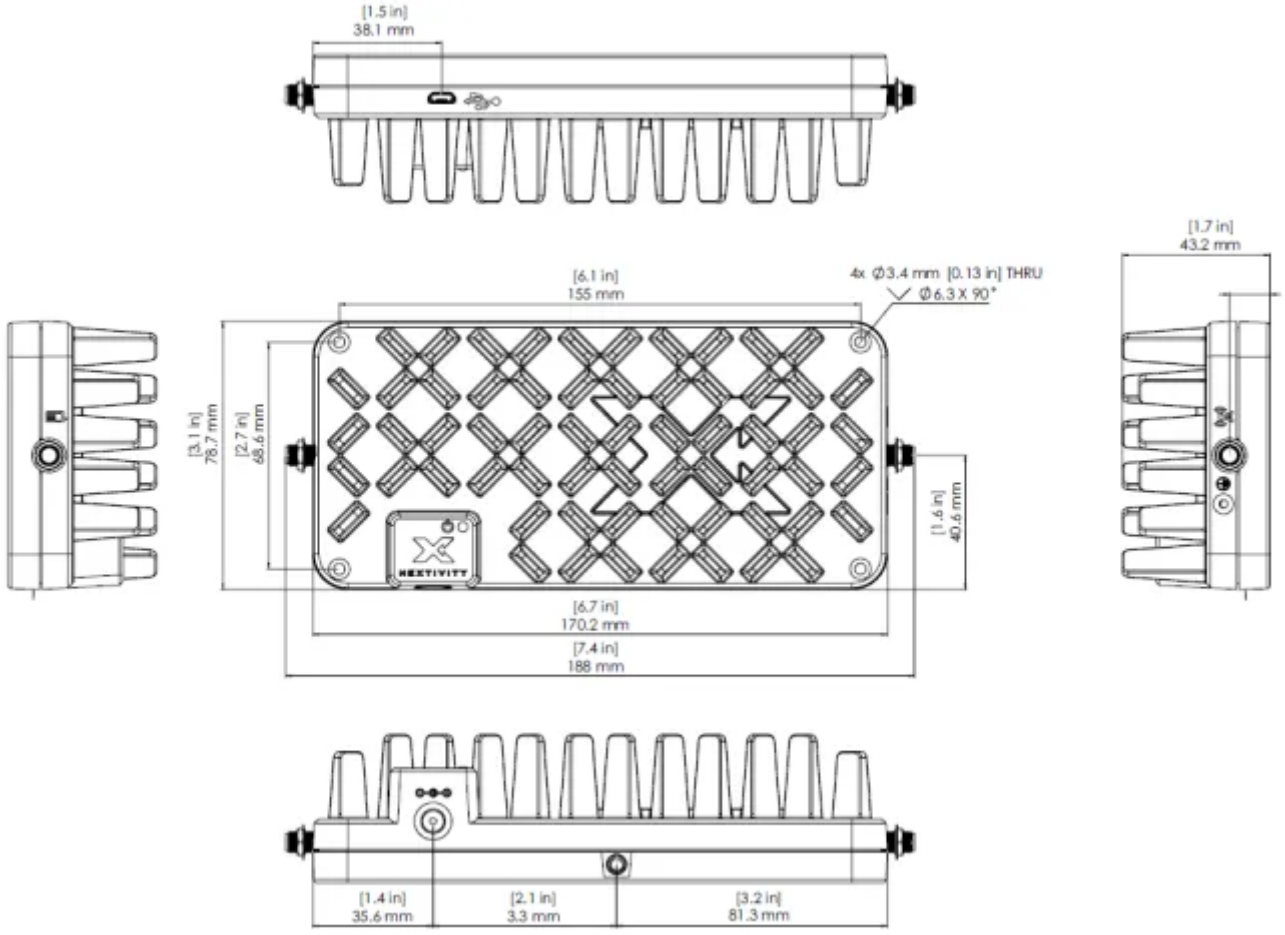
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R-NZ

,
RCM
,
RoHS
Min. Operating Temperature
-35 °C
Max. Operating Temperature
70 °C
Weight
0.49 kg
Device Power Specifications
Max. Consumption
18 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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