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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.

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, 5G NR		

Supported Bands

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.

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	0 dBm	24 dBm	20 MHz	2110 MHz	2170 MHz	1920 MHz	1980 MHz
B3 (1800 MHz)	FDD	1x1 SISO	0 dBm	24 dBm	20 MHz	1805 MHz	1880 MHz	1710 MHz	1785 MHz
B5 (850 MHz)	FDD	1x1 SISO	0 dBm	22 dBm	20 MHz	869 MHz	894 MHz	824 MHz	849 MHz
B7 (2600 MHz)	FDD	1x1 SISO	0 dBm	24 dBm	20 MHz	2620 MHz	2690 MHz	2500 MHz	2570 MHz
B8 (900 MHz)	FDD	1x1 SISO	0 dBm	22 dBm	15 MHz	925 MHz	960 MHz	880 MHz	915 MHz
B20 (800 MHz)	FDD	1x1 SISO	0 dBm	22 dBm	20 MHz	791 MHz	821 MHz	832 MHz	862 MHz
B28 (700 MHz)	FDD	1x1 SISO	0 dBm	22 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:	IPX0	Min. Operating Temperature:	-35 °C
Mounting:	Screw / Bolt	Max. Operating Temperature:	70 °C
Dimensions:	170.2 × 78.7 × 43.2 mm	Weight:	0.49 kg
Compliance/Certifications:	CE , R-NZ , RCM , RoHS		

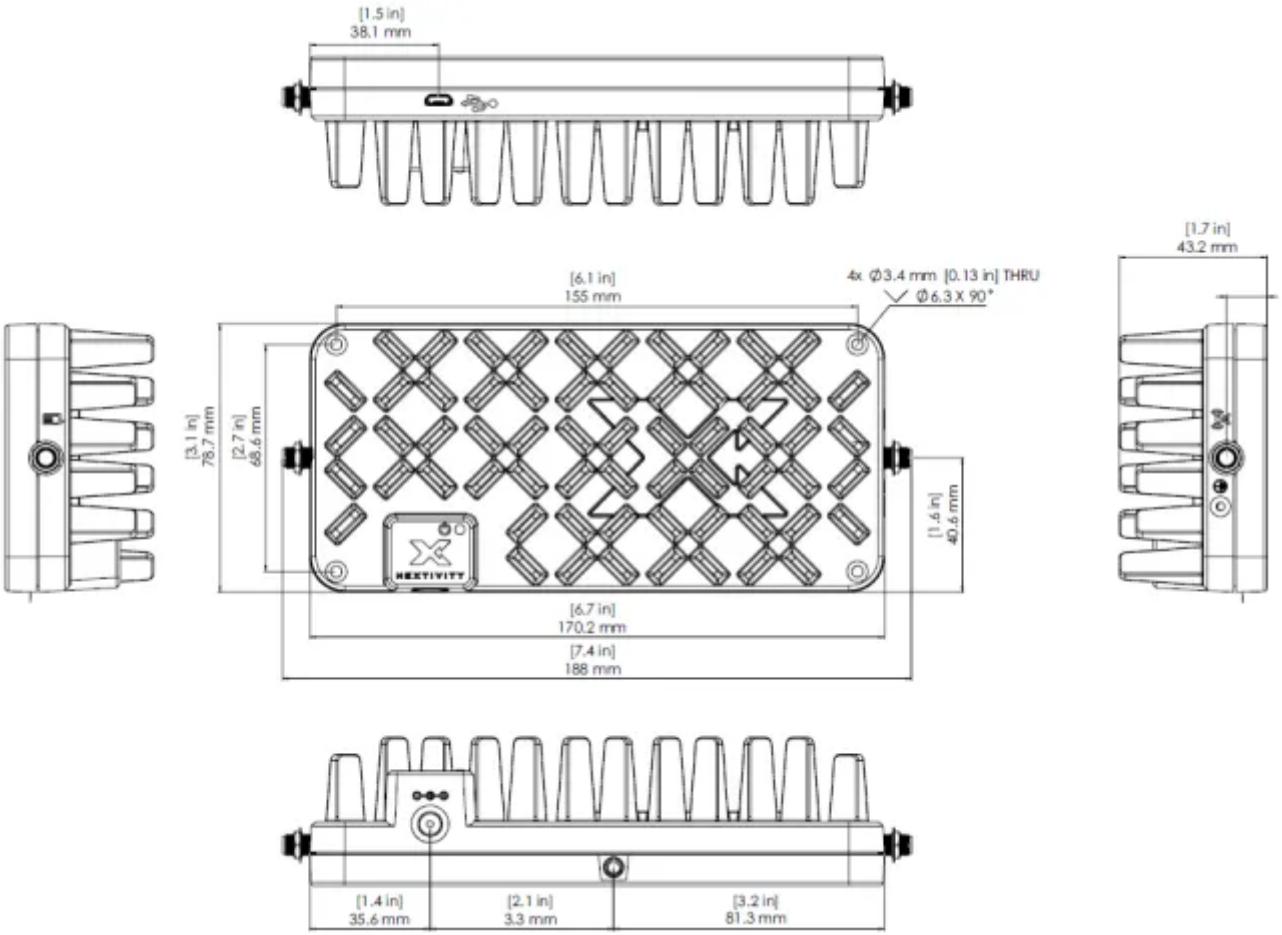
Device Power Specifications

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


[1.5 in]
38.1 mm
[1.7 in]
43.2 mm
[6.1 in]
155 mm
4x Ø3.4 mm [0.13 in] THRU
Ø6.3 X 90°
[3.1 in]
78.7 mm
[2.7 in]
68.6 mm
[1.6 in]
40.6 mm
[6.7 in]
170.2 mm
[7.4 in]
188 mm
[1.4 in]
35.6 mm
[2.1 in]
3.3 mm
[3.2 in]
81.3 mm

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