

CEL-FI ROAM R41

Mobile Cellular Coverage Solution

Kit Numbers: R41-9B-001. R41-9B-002. R41-9B-003. R41-9B-004. R41-YB-001. R41-YB-002. R41-YB-003. R41-YB-004.

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.





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





Features and benefits include:

- · Deploy the unit anywhere in the network, with full frequency coverage
- · Latest 4th generation Nextivity proprietary IntelliBoost chip delivers channelized coverage for specific mobile network operator signals
- Support for 3G, 4G, and 5G dynamic spectrum sharing (DSS)
- · Ease of installation with plug-and-play operation

Specifications

1/3/5/7/8/20/26/28L
5/10/15/20
3G/4G/5G
WCDMA/LTE/DSS
Automatically (MyWave App set to "Following")
PLMN-IDs
FDD
1
20
0
22
24
100
30
-8

Bands

Frequency Bands	Downlink (MHz)	Uplink (MHz)	Max. Relay BW (MHz)
1	2110-2170	1920-1980	
3	1805-1880	1710-1785	20
5	869-894	824-849	
7	2620-2690	2500-2570	
8	925-960	880-915	15
20	791-821	832-862	
26	859-894	814-849	20
28L	758-788	703-733	

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)
Factory Debug only	USB 2.0 Micro-B
System Management & SW Updates	WAVE App for iOS 11.0 or later WAVE App for Android
Band Selection	MyWAVE App for iOS 11.0 or later MyWave App for Android

Compliance

3GPP	TS 25.143 Rel 13
3677	3GPP TS 36.143 Rel 13
CF	Compliant
UE .	RED 2014/53/EU
RoHS3	EN 63000: 2018
ACMA/RCM	AS/NZS CISPR, 32:2013
Bluetooth	LE Ver 4.2

Power Supply

18
11.5 to 15
1.5
Automobile Auxiliary Power
18 AWG
16.3 (5)

Environmental

Operating Temperature (°F (°C))	32 to 140 (0 to 60)
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

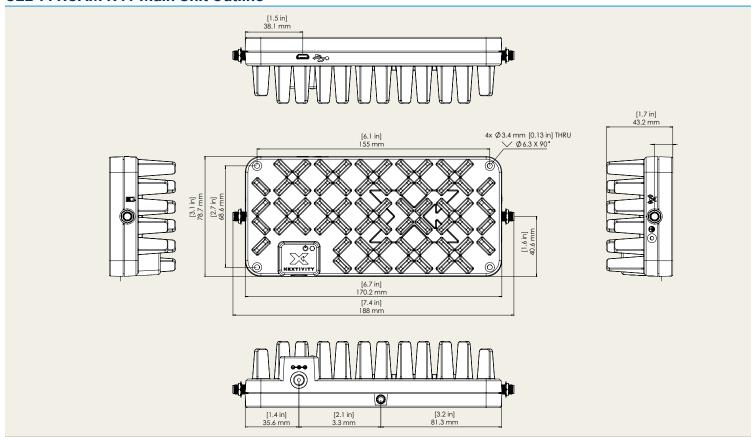
Mechanical & Packaging

Main Unit Dimensions (in (mm))	6.7 x 3.1 x 1.7 (170.2 x 78.7 x 43.2)
Main Unit Weight (lbs (kg))	1.08 (0.49)

Ordering Information

Kit Numbers	R41-9B-001	R41-9B-002	R41-9B-003	R41-9B-004	R41-YB-001	R41-YB-002	R41-YB-003	R41-YB-004		
Region	EMEA			EMEA/APAC						
Frequency Bands	1/3/7/8/20			1/3/5/7/8/26/28L						
Box Contents	Main Unit									
	1x Mag-Mount Donor Antenna	1x Screw- Mount Donor Antenna			1x Mag-Mount Donor Antenna	1x Screw- Mount Donor Antenna				
	1x Se Ante			1x Server Antenna	1x Se Ante			1x Server Antenna		
	1x Automobile Auxiliary Power Adapter									
	4x Mounting Screws									
	2x Mounting Velcro									
	Quick Installation Guide									
Kit Shipping Dimensions (in (mm))		94 x 3.23 00 x 82)	8.47 x 3.94 x 3.19 (215 x 100 x 81)				12.40 x 3. (315 x 1	94 x 3.23 00 x 82)	8.47 x 3.9 (215 x 10	
Kit Shipping Weight (lbs (kg))	2.20	(1.0)	1.74 (0.79)	1.87 (0.85)	2.20	(1.0)	1.74 (0.79)	1.87 (0.85)		

CEL-FI ROAM R41 Main Unit Outline



Product specifications are subject to change without prior notification.



nextivityinc.com/roam-r41