miniCRD™ for FirstNet®

Product Overview

A Compact Rapid Deployable System Delivering FirstNet Cellular and High-Speed Internet When & Where It's Needed

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For more information, please contact your **FirstNet Sales Team at AT&T**.

RESCUE 42

miniCRD™ System — *Overview*

miniCRD™ Compact Rapid Deployable

SLC+™ Satellite Link Case

The miniCRD™ for FirstNet is a highly portable FirstNet Deployable Kit contained in two ruggedized cases. This system includes the miniCRD and the SLC+. They can be hand-carried or transported by a single person in a vehicle, by air or sea to anywhere communications are needed. Create your own FirstNet Cellular and Wi-Fi hotspot, even in the most remote environments. This system offers multiple backhaul pathways, while broadcasting FirstNet Cellular and Internet to support your critical operations.

Delivers Internet & Cellular When & Where It's Needed

Multiple backhaul pathways for establishing a connection.

Single-Person Deployment

Anyone can transport & deploy the miniCRD with no prior experience.

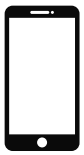
User-Friendly & Affordable

Simple technology with an auto-acquiring satellite system.

FEATURES

FirstNet Range up to 1/2 Mile

Wi-Fi Hotspot up to 500'



Up to 600 LTE Devices

High-Speed Satellite Internet

Weatherproof + Waterproof

FIRSTNET® MegaRange™

MegaRange HPUE Compatible up to 1 Mile

Qualifies as Checked Airline Luggage

Transport in Any Vehicle

BENEFITS

- Fully functional FirstNet cell site
- Connects you to the cloud
- Deployable by single person
- Goes right to the incident
- No special training required, simple to use
- Supports Wi-Fi calling

USES

- Emergency response
- Remote internet connectivity
- Business continuity / recovery
- Restore internet service
- Supply Internet to other units
- Backup your PSAP or dispatch

COMPONENTS

The miniCRD system is built into 2 cases, and each case has a different function. The miniCRD case is the FirstNet component that can receive Internet from multiple pathways including wired Ethernet, Wi-Fi as WAN, or LTE, and then retransmit a low-power FirstNet Cellular signal to support FirstNet users up to 1/2 mile away (approximately 1 square mile coverage area).

The SLC+ is a satellite communication case which carries a Starlink® HP (High-Performance) satellite terminal which will receive Starlink Internet in most locations. It can then communicate its Internet signal to the miniCRD by wired Ethernet or Wi-Fi. Both systems contain internal batteries and power management systems but must have external power supplied by the user for sustained operations. Cases have extendable handles and can be rolled or carried. They may be transported in any vehicle, including ATVs, boats, helicopters and commercial aircraft. Operation is completely automatic and controlled by two power switches on each unit. Visible lights indicate operational status. These cases can be used together or separately, depending on the scenario and use case.

The SLC+ can be used by itself if the customer only needs a Wi-Fi hotspot or to provide Internet for other purposes. The miniCRD may be used alone if existing LTE or wired backhaul is available and a FirstNet hotspot is needed.

SCAN to watch a virtual DEMO of the miniCRD

Standard Configurations + Internet Pathways

The miniCRD is not just a cell site. It is designed to provide multiple solutions, and there are multiple ways it can be deployed. The miniCRD has multiple pathways it uses to talk to the Internet and the outside world. This is generally called WAN (Wide Area Network), or Backhaul. The pathways the miniCRD uses to communicate with the user are called LAN (Local Area Network) or User Access. It contains a Cradlepoint router which manages all inbound and outbound traffic. The router can utilize Ethernet (wired Internet), Wi-Fi from another source, high-speed satellite (from SLC+) or Cellular network SIM cards to communicate with any working cell towers in the area for Internet connectivity. Different SIM cards can be used based on which working cell towers are available and can be easily changed as needed.

WAN Pathways (Backhaul)

→ Connects the miniCRD to the Internet

- Ethernet cable
- Wi-Fi
- LTE
- High-Speed Starlink© Satellite

LAN Pathways (User Access)

→ Connects the user to the miniCRD

- Ethernet cable
- Wi-Fi
- FirstNet LTE

Warning: It is important to understand that you cannot simultaneously transmit FirstNet cellular from the miniCRD while FirstNet SIM cards are in the Ericsson (formerly Cradlepoint) router. Use your FirstNet SIM cards only when providing Wi-Fi and/or wired ethernet with the FirstNet cell radio off.

miniCRD vs CRD

The CRD for FirstNet® has defined the new field of easily deployable regional FirstNet Cellular coverage right at an incident. The miniCRD now provides a local area coverage capability with a smaller, innovative form-factor that can be deployed right to the heart of an incident, even if it's hand-carried where a CRD cannot deploy. The miniCRD system is the perfect addition to your fleet of deployables.

	CRD™	miniCRD™	SLC+™
FirstNet® LTE Coverage	Up to 2 miles	Up to 1/2 mile	-
MegaRange® Coverage	Up to 4 miles	Up to 1 mile	-
Coverage Area	Regional Up to 12 square miles	Local Up to 1 square mile	-
Satellite Provider	Viasat® and optional LEO Satellite	-	Starlink®
Wi-Fi Range	500'	500'	500'
Onboard Power	up to 240 hours *with generator/battery cycling	up to 2 hours *Customer must provide power. Vehicle & AC cables included.	up to 2 hours *Customer must provide power. Vehicle & AC cables included.
On-Board Generator	YES	NO	NO
Transport	2" Class 3 or better Trailer Hitch Required	Any method, including hand-carry	Any method, including hand-carry
Case Size	-	24" x 24" x 10" 85 lbs	24" x 24" x 10" 85 lbs

Interested in the CRD for FirstNet? Scan here to read & download the CRD for FirstNet Product Brief. Contact your local FirstNet Seller for a quote and more information.

PRICING

- To request a quote, contact: Deployables@Rescue42.com or 888-427-3728 ext. 2
  - Includes free delivery within the 48 contiguous United States.
  - Customer adds Starlink Satellite data plan and SIM card(s).

SATELLITE DATA PLAN

- Customers must purchase satellite data plan directly from Starlink.

	Starlink
Reseller	Starlink.com/Mobility
Price	Plans start at $250/month See Starlink.com/Mobility for current pricing Note: SLC+ will work anywhere with Starlink coverage (including anywhere on land and ocean) with this plan.
Pause Service Anytime	Yes
Expected Download	40-220 Mbps
Expected Upload	8-25 Mbps
Latency	< 99 ms
Service	24/7/365 - Online

Starlink Data Plan Options as of September 2024 start at $250/month (subject to change)
For service, visit: www.Starlink.com/Mobility
Note: SLC+ will work anywhere with Starlink coverage (including anywhere on land and ocean) with this plan. It is recommended that you download the Starlink app for ongoing updates and plan access.

*Information provided as of April 2024. Stated speeds and uninterrupted use of services are not guaranteed. AT&T and Rescue 42 do not sell data plans and pricing can change at any time.

miniCRD™ System — Specifications

	miniCRD™	SLC+™
EXTERNAL		
	• 24” x 24” x 10” | 85 lbs • Dual Fan Baffled Ventilation Ports • Waterproof Power & Ethernet Ports • Lockable Case • Airline Ready via Checked Luggage (with Batteries in Carry-On Luggage)	• 24” x 24” x 10” | 85 lbs • Dual Fan Baffled Ventilation Ports • Waterproof Power & Ethernet Ports • Lockable Case • Airline Ready via Checked Luggage (with Batteries in Carry-On Luggage)
POWER SYSTEM		

	• Up to 2 Hours of Off-Grid Runtime
	• AC Input & 6' AC Power Cord
	• 12 VDC Power Input & Cable (Vehicle, Battery, Solar)
	  ◦ Includes Battery Clamps & 12V Auxiliary Power Plug
	• System Battery & Power System
	  ◦ (2) Removable 7.2 Ah "Smart" LiFeP04 Batteries
	  ◦ 15A Micro-Processor Battery Charger
	  ◦ 450W Pure Sine Wave Inverter
	• Power Management Switches, Breakers, Spare Fuses
	• Digital Battery Monitor with Bluetooth
	• Alarm System (visible and audible)
		• Up to 2 Hours of Off-Grid Runtime
		• AC Input & 6' AC Power Cord
		• 12 VDC Power Input & Cable (Vehicle, Battery, Solar)
		  ◦ Includes Battery Clamps & 12V Auxiliary Power Plug
		• System Battery & Power System
		  ◦ (2) Removable 7.2 Ah "Smart" LiFeP04 Batteries
		  ◦ 30A Micro-Processor Battery Charger
		  ◦ 450W Pure Sine Wave Inverter
		• Power Management Switches, Breakers, Spare Fuses
		• Digital Battery Monitor with Bluetooth
		• Alarm System (visible and audible)

COMMUNICATIONS & CONNECTIVITY		

	• FirstNet built with AT&T Nokia SBO eNodeB (Band-14)
	  ◦ Up to 1/2 Mile Range
	  ◦ Parsec 3-in-1 LTE & GPS for SBO
	• Ericsson (formerly Cradlepoint) IBR900 Router (FirstNet Ready)
	  ◦ Local & Cloud-Based NetCloud Manager
	  ◦ 3 Year, 24/7/365 Support
	  ◦ 3 Year Hardware Warranty
	  ◦ SD-WAN with Auto Failover/Failback
	  ◦ Parsec 5-in-1 LTE, Wi-Fi & GPS
	• Backhaul (WAN):
	  ◦ Wired Ethernet
	  ◦ Wi-Fi as WAN
	  ◦ LTE WAN (Customer Provided SIMs)
	• User Access (LAN)
	  ◦ FirstNet Band-14 LTE
	  ◦ Wi-Fi 802.11 a/b/g/n/ac
	  ◦ Wired Ethernet
		• SATCOM
		  ◦ Starlink® High Performance Terminal
		  ◦ SLC+ Connects to miniCRD via Wi-Fi as WAN or Ethernet Cable
		• Ericsoon (formerly Cradlepoint) IBR900 Router (FirstNet Ready)
		  ◦ Local & Cloud-Based NetCloud Manager
		  ◦ 3 Year, 24/7/365 Support
		  ◦ 3 Year Hardware Warranty
		  ◦ SD-WAN with Auto Failover/Failback
		  ◦ Parsec 5-in-1 LTE, Wi-Fi & GPS
		• Backhaul (WAN):
		  ◦ Wired Ethernet
		  ◦ Wi-Fi as WAN
		  ◦ LTE WAN (Customer Provided SIMs)
		• User Access (LAN)
		  ◦ Wi-Fi 802.11 a/b/g/n/ac
		  ◦ Wired Ethernet

TEMPERATURE		
	• Operating -17° to 46° C (0° to 115° F)	• Operating -17° to 46° C (0° to 115° F)
OTHER		
	• 1 Year Manufacturer Warranty • Owner’s Manual	• 1 Year Manufacturer Warranty • Owner’s Manual

Cellular & Internet Connectivity. When & Where It's Needed.

For a quote, please contact your **FirstNet Sales Team at AT&T.**

Manufactured by

RESCUE 42

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