

MBK[®]

MOBILE BROADBAND KIT

The **4K-MBK-C19** (Fully Integrated) is an intelligently designed portable 5G/4 LTE networking system configured with the Cradlepoint R1900 5G/4G LTE modem. These modems support worldwide, SIM-based, auto-carrier selection, CBRS Band 48 and Band 14 FirstNet™.

The **4K-MBK-C19** provides a WiFi6 802.11 wireless and gigabyte ethernet networking options.

The **4K-MBK-C19** has a custom storage locker. The **4K-MBK-C19** is powered by the 4K Rugged Power Center LifePo4 battery power management system which provides an estimated 4-8 hours of run time.

The **4K-MBK-C19** is integrated into a mil-spec case with integrated antenna carrier and an internal storage. Ethernet ports are extended to the exterior of the case. Includes one year of limited warranty coverage on all hardware.

***4K-MBK-C19** a 5G/4G LTE solution that contains the Cradlepoint R1900 and an integrated LifePo4 battery bank.*

Typical Client Count: 50

Battery Technology: The battery is a 12.8 volt 8 AH (100 Watt hour) LiFePO4 bank.

MBK Dimensions: 14.7" x 10.2"x 6.1"

Weight: 22 lbs.

Run Time (estimated): 4-8 hours (estimated)

Charging: The **4K-MBK-C19**: The internal three stage charge controller will accept 14-18 vdc and up to a 60 watt solar panel. The included wall charger will charge the system in approximately 90 minutes. The internal Battery Protection Circuit prevents overcharge, over-discharge, and short circuits. The volt meter continuously displays the system voltage, and reacts to confirm solar or AC charging. The USB driver is independent, switched, and is 3 amps.



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The 4K-MBK-C19 integrated Cradlepoint R1900 router is a 5G Embedded High-Performance Solution

The **R1900** mobile router includes an embedded 5G modem that can automatically switch to Cat 20 LTE if the MBK™ moves outside of 5G coverage.

Hardware Specifications

The following features are delivered through the hardware.

Modem: Embedded 5GB NR FR1 low-, mid-band, and 4G LTE Category 20 modem

4 x SMA cellular antenna connectors



Ethernet: 4 x GbE RJ45 (LAN/WAN switchable)

Wi-Fi:

Dual-radio, dual-band, concurrent operation (2.4 GHz & 5 GHz)

— **Bluetooth:** Embedded Bluetooth 5.1 (10 dBm max)— 1 x R-SMA connector.

GNSS / GPS: 1 x SMA GNSS antenna connector



The **Mobile Broadband Kit (4K-MBK-C19)** is the First Responders **5G** First Choice for emergency response.



Rapid Deployment

4K-MBK-C19 is designed for locations with good 5G/4G LTE signal strength and quick deployment. No external antennas are required.



R1900 5G Bands: n1, n2, n3, n5, n7, n8, n12, n20, n25, n38, n40, n41, n48, n66, n71, n77,

