

# **MBK**<sup>®</sup>

## **MOBILE BROADBAND KIT**

The **Executive Broadband Kit (EBK)** is an expertly designed executive communications networking package that is easy to use, easy to customize and easy to carry.

Using the **4K-EBK-R19** allows the busy key executive, first responders and special operations teams the ability to remain on a trusted and reliable wireless network while staying on the move.

The **4K-EBK-R19** provides a Cat6 802.11 wireless and gigabyte ethernet networking options.

The **4K-EBK-R19** has custom mounted cellular and Wi-Fi antennas installed inside the bag.

The **4K-EBK-R19** is powered by the 4K Rugged Power Center LifePo4 battery power pack which provides an estimated 4-8 hours of run time.

Includes one year of replacement limited warranty coverage on all hardware.

*The **4K-EBK-R19** is a 5G and 4G/LTE solution that contains the Cradlepoint R1900 and an integrated LifePo4 battery pack.*

**Typical Client Count:** 50

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

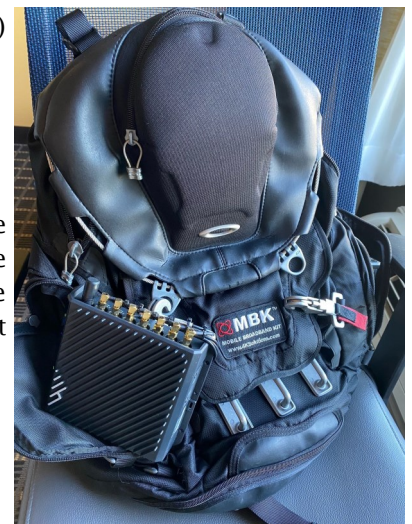
**Weight:** 20 lbs.

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

**Charging:** The **4K-EBK-R19's Rugged Power Center (RPC)** has an internal three stage charge controller will accept 12-15 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.

USB Ports: 8Vdc @3A.

DC output: 2 x 12Vdc@4A (Nominal)



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## 5G Embedded High-Performance Solution

The **R1900** mobile router includes an embedded 5G modem that can automatically switch to Cat 20 LTE if the vehicle moves outside of 5G coverage. In addition, the R1900 is designed to accept the RX30 managed accessories which provide either four additional PoE ports or four additional GbE ports and a second modular modem. It also has the ability to act as a controller for a separate Cradlepoint 5G Wideband Adapter. These two capabilities, along with the continually improved NetCloud platform, ensure the ability for future expansion and the best investment protection available.



### 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)  
— 2 x 2 MU-MIMO 802.11ax Wi-Fi 6 with DFS— 574 Mbps (2.4 GHz) & 1,200 Mbps (5 GHz)— 2 x RP-SMA Wi-Fi antenna connectors— Global Optimized Wi-Fi & International SDR  
— WPA/WPA2/WPA3 Personal, WPA2/WPA3 Enterprise, Open— 802.11k, 802.11v

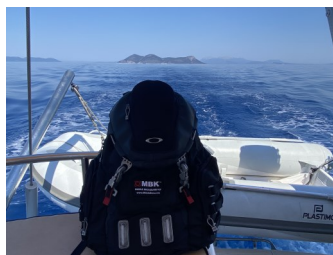
**Bluetooth:** Embedded Bluetooth 5.1 (10 dBm max) — 1 x R-SMA connector

**GNSS /GPS:** 1x SMA GNSS antenna connector

**Power:** DC input steady state voltage Range: 9–36 VDC



*4K Solutions® Executive Broadband Kit is ready for global travel ~ global missions!*



## Global Cellular Networks:

The **Executive Broadband Kit (EBK)** runs on the world's global carriers and first responder networks in USA and UK and most countries.



**R1900 5G Bands:** n1, n2, n3, n5, n7, n8, n12, n20, n25, n38, n40, n41, n48, n66, n71, n77, n78, n79

