

MBK[®]

MOBILE BROADBAND KIT



The **MBK-1900 FI** (Fully Integrated) part number: **4K-MBK-C19D** is an intelligently designed portable 5G/4G networking system configured with the Cradlepoint R1900 5G modem and the RX30 with removable MC-400-120B 4G/LTE modem. These modems support worldwide, SIM-based, auto-carrier selection, CBR5 Band 48 and Band 14 FirstNet[®].



The **MBK-1900 FI** provides a WiFi6 802.11 wireless and gigabyte ethernet networking options.

The **MBK-1900 FI** has a custom storage locker. The **MBK-1900 FI** is powered by the 4K Rugged Power Center LifePo4 battery power management system which provides an estimated 6-8 hours of run time.

The **MBK-1900 FI** 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.

Typical Client Count: 100

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

MBK Dimensions: 14.66" x 10.24"x 6.12

Weight: 22 lbs.

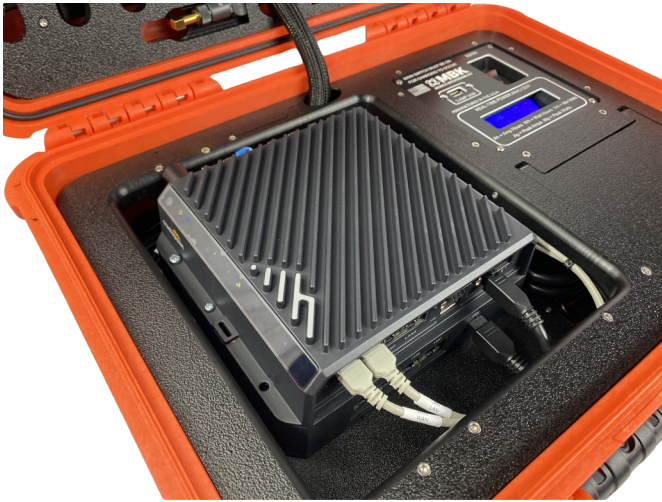
Run Time (estimated): 6-8 hours

Charging the MBK-1900 FI: 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 **MBK-1900's** 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. The **MBK-1900** part number **4K-MBK-C19D** includes the Cradlepoint RX30 to house the MC400-120B modem.



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 (MBK-1900 FI)** is the First Responders **5G** First Choice for emergency response.



Rapid Deployment

MBK-1900 FI's are 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, n78, n79



Please note the BA-MC400-5GB is not available as of August 12, 2022. Tentative general availability fall 2022.