

MBK[®]

MOBILE BROADBAND KIT

The **MBK-Virtual Machine (5G) (MBK-VM)** is designed as a multi-use portable computing platform enabling a myriad of customer based software configurations. The **MBK-VM (5G)** runs the Arrouse Digital Devices Corp (ADDC) BioDigital PC card (BPC 12) and an integrated Cradlepoint R1900 5G router.



Key Features:

Cellular Carriers: The **MBK-VM (5G)** operates on all global carriers and FirstNet™ in the 5G and 4G/LTE bands.

Networking: The **MBK-VM (5G)** provides 802.11 wireless WiFi 6 “bubble” and ethernet/gigabyte networking options based on router ordered.

Compute: The **MBK-VM (5G)** onboard compute platform utilizes the ADDC BioDigital PC card (BPC 12), a full x86 computing platform (i7 CPU, 2.10 GHz, 16GB DDR4, 1TB NVMe SSD) in the R8K ME (metal). The R8K-ME comes with a Bio-DigitalPC® Docking Connector, one USB 2.0 port, one USB 3.0 port, 8 RJ-45 10/100/1000 Mbps Ethernet ports of which 2 ports provide PoE (Power over Ethernet), a 5VDC power connector, and a Mini DP++ video connector.



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MBK-VM (5G)

Typical Client Count: 100

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

MBK Dimensions: 17.8" x 10.2"x 6.2"
Weight: 20 lbs.

Power: The MBK-VM is powered by the 4K Solutions® Rugged Power Center LifePo4 battery power management system.

Run Time : 4-8 hours (estimated)

Charging: The MBK-VM (5G) utilizes an internal three stage charge controller which 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.

Warranty: Includes one year of limited warranty coverage on all hardware.



MBK-Virtual Machine



- Cradlepoint R1900



- ADDC BPC 12 & R8K-ME



Made in the USA!

- 7th generation –19 release
- Intel KabyLake i7 8650U
- 16GB DDR4
- 512GB or 1TB NVMe
- 4 USB 2.0 & 1 USB 3.0
- DisplayPort++
- 4 Cores, 8 vCores
- 2 PCIe x1 Gen3
- Trusted Platform Module 2.0

Virtualization: *MBK-VM supports the following software platforms:*



Microsoft
Hyper-V



MOTOROLA
SOLUTIONS

riverbed®

CISCO™

aruba

a Hewlett Packard
Enterprise company

paloalto®
NETWORKS

Software: 3rd party software and installation services are NOT included in the baseline pricing.



Authorized Partners of



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