MBK®

MOBILE BROADBAND KIT

The **4K-MBK-FPS-A303** is an intelligently designed portable 4G/LTE Commercial Solutions for Classified (CSfC) networking system configured with the Cradlepoint IBR900-600M or 1200M model with an embedded LTE Advanced 600 Mbps 4G LTE modem and the ARUBA 303H Access Point. The Aruba 303H is a High-performance 802.11ac Wave 2 access point.

The **4K-MBK-FPS-A303** provides an 802.11 wireless and ethernet networking options.

The **4K-MBK-FPS-A303** has a custom storage locker and is powered by the 4K Rugged Power Center LifePo4 battery power management system which provides an estimated 11-14 hours of run time.

The **4K-MBK-FPS-A303** is integrated into a mil-spec case with internal OEM antenna mounting and storage. Two ethernet ports are extended to the exterior of the case. Includes one year of replacement warranty coverage on all hardware.

4K-MBK-FPS-A303 is a 4G/LTE solution that contains the Cradlepoint COR 900, Aruba 303H Access Point and an integrated LifePo4 battery.

Number of Devices /Users: 30 users /devices.

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:** 19 lbs.

Run Time (estimated): 11-14 hours (estimated)

Charging: The **4K-MBK-FPS-A303** 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.

4K Solutions, LLC
sales@4ksolutions.com
11255 Rambling Trail
Midland, Georgia 31820
(844) 445-7658

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The Cradlepoint COR IBR900 Series router is a ruggedized Gigabit-Class LTE networking platform that is designed for persistent connectivity across a wide range of in-vehicle applications, including first responders, service and delivery vans, taxi and limo fleets, and nearshore vessels. Wave 2 dual-band and dual-concurrent Gigabit WiFi, the IBR900 provides reliable 24x7 connectivity for employees and devices, both inside and outside the vehicle. Mobile networks require strong security for various implementations including on-board public WiFi and cloud application access. Offering multi-zone firewalls, IDS/IPS, Internet security, and FIPS 140-2 certification, Cradlepoint mitigates security risks for mobile networks and users.

Cradlepoint COR IBR900 Series mobile routers are sold in comprehensive NetCloud Solution Packages that include cloud management, purpose-built hardware, 24x7 support, and limited lifetime warranty.

WiFi1 — Dual-Band, dual-concurrent — 802.11 a/b/g/n/ac wave 2— MU-MIMO and 256 QAM support — Up to 128 connected devices (64 per radio - 2.4 GHz and 5 GHz) — Multiple SSIDs: 2 per radio (4 total) — WPA2 Enterprise (WiFi) — SSID-based Priority — Client Mode for faster data offload

Ports: — USB 2.0 — Two Ethernet LAN/WAN — Two cellular antenna connectors (SMA) — One active GPS antenna connector (SMA) — Two WiFi antenna connectors (RP-SMA)

Authorized Partner of

cradlepoint

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11255 Rambling Trail Midland, GA 31820
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sales@4KSolutions.com
www.4KSolutions.com

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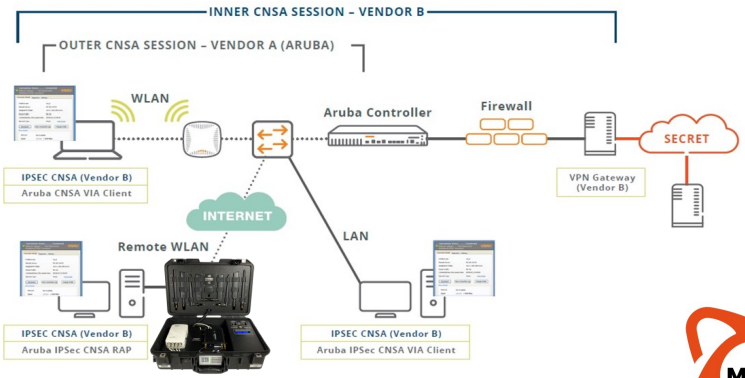
4K-MBK-FPS-A303

4K Solutions® custom designed **Commercial Solutions for Classified (CSfC) Mobile Broadband Kit – MBK™** is configured for rapid deployment and executive travelers.

The **4K-MBK-CFPS-A303** leverages the 303H Access Point from Aruba, a Hewlett Packard Enterprise (HPE) company. Aruba/HPE through the NSA Commercial Solutions for Classified (CSfC) program, has developed an alternative access architecture for classified network connectivity, which is approved for use through a standard government accreditation process. Aruba/HPE through the NSA Commercial Solutions for Classified (CSfC)

aruba
a Hewlett Packard Enterprise company

Aruba/HPE NSA Commercial Solutions for Classified (CSfC) Network Diagram



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