

# **MBK**<sup>®</sup>

## **MOBILE BROADBAND KIT**

The **MBK-1835 FI (Fully Integrated)** is an intelligently designed portable 5G networking system configured with the Cisco Catalyst 1835 Rugged Router with modular 5G modem. The **MBK-1835 FI** provides an 802.11 Wi-Fi 6 wireless and ethernet networking options.

The **MBK-1835 FI** has a custom storage locker and is powered by the 4K Rugged Power Center LifePo4 battery power management system which provides an estimated 4-8 hours of run time.

The **MBK-1835 FI** is integrated into a mil-spec case with internal OEM antenna mounting and storage. Four ethernet ports are extended to the exterior of the case.

The **MBK-1835 FI** is designed to operate as a open-lid solution. Includes one year of replacement warranty coverage on all hardware.



**Number of Devices /Users:** 254 users /devices (Class C network).

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

**MBK Dimensions:** 19.17" x 12.80"x 6.89" **Weight:** 26 lbs.

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

**Charging:** The **MBK-1835 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.

**Certifications:** National Security Agency (NSA) Commercial Solutions for Classified (CSfC) hardware. DISA UC APL (DoDIN APL).



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





**Cisco 1835 Rugged Router**



Cisco Catalyst IR1835 Rugged Series Routers are Cisco IoT's most versatile routers, designed for mobile or stationary deployments with high bandwidth and throughputs from 5G and Wi-Fi 6.

The Cisco IR1835, is a high-performance, 5G router in a modular design that supports private LTE, FirstNet®, Verizon Frontline, Wi-Fi6 and Gigabit Ethernet. Designed with a high level of modularity, they can be customized to help you reduce costs and make your networking investments ready for the future, keeping in mind the needs of tomorrow. With high bandwidth and throughputs from 5G and Wi-Fi 6, they enable you to connect all your assets, converge networks and drive efficiency.



11255 Rambling Trail Midland, GA 31820

Toll Free: (844) 445-7658  
sales@4KSolutions.com

The Mobile Broadband Kit (MBK-1835) is ideal for true “grab and go” portability.



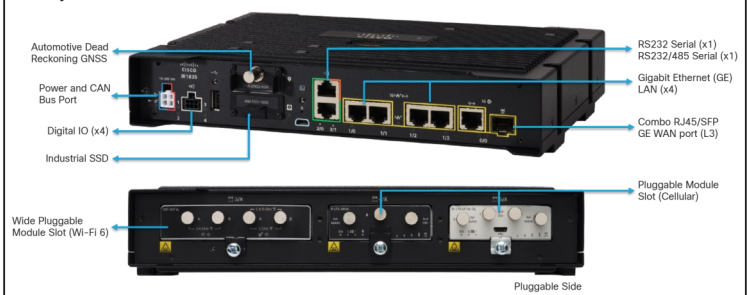
**Cisco Catalyst 1835 Rugged Router**

#### Catalyst IR1800 Rugged Series Routers

High performance modular router for mission-critical mobile and remote assets

<b>Flexible</b> Modular design-modules for storage, Wi-Fi, GPS, LTE, private LTE, 5G, FirstNet, Verizon Frontline SD-WAN enabled Choice of management platforms for IT and Operations	<b>AT&amp;T FirstNet</b>  	<b>Purpose-built for mobile</b> Transportation certifications, shock and vibration resistant Dead reckoning GNSS Ignition Power Management CAN bus support for vehicle diagnostics
<b>Secure</b> Built-in Cisco multi-layer security Visibility into OT assets with Cisco cyberVision	<b>Verizon Frontline</b>	<b>Edge computing</b> Built-in edge compute resource IOx App hosting support for your own application Cisco Edge Intelligence

#### Catalyst IR1835-K9



www.4KSolutions.com