

MBK[®]

MOBILE BROADBAND KIT

The **4K-MBK-SMF** is designed as a High Powered User Equipment (HPUE), rapidly deployable First Responder internet kit amplified for FirstNet[®]

The **4K-MBK-SMF** runs the **Nextivity SHIELD MegaFi**, which is a one-of-kind offering for first responders and others with critical communication needs.

Featuring the proprietary **FirstNet[®] MegaRange™** technology.



FirstNet Trusted™ SHIELD MegaFi is 6x more powerful than standard routers, strengthening connectivity at the network edge.

Key Features:

Cellular Carriers: The **4K-MBK-SMF** operates on AT&T and FirstNet[®] networks.

Networking: The **4K-MBK-SMF** provides a 802.11 wireless and gigabyte ethernet networking .

High Power User Equipment: The **4K-MBK-SMF** utilizes the **SHIELD MegaFi** which enhances your mission profiles by delivering superior range, coverage, penetration, and capacity of any device available for use on FirstNet[®].

External Networking: 5 x Gigabyte ethernet ports.



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4K-MBK-SMF

Client Count: 32

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

MBK Dimensions: 16.7" x 13.4" x 6.8"

Weight: 19 lbs.

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

Run Time: 8 hours (estimated)

Charging: The 4K-MBK-SMF utilizes an internal three stage charge controller which will accept 16-25 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.

Available **exclusively**
on FirstNet.

Nextivity® SHIELD MegaFi



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SHIELD MegaFi devices are the only solutions on the market that use FirstNet® MegaRange™ technology, enabled through a SIM card, that are 3GPP Power Class 1 devices. Power Class 1 devices allow +31 dBm power output (1.25 Watts), while standard Power Class 3 devices allow + 23 dBm (200 mW). Typical consumer cellular devices are Power Class 3.

LTE Category Cat 12 modem

Regions: U.S. Only

Carrier: AT&T / FirstNet®

Bands: 2, 4, 5, 12, 14, 17, 29, 30, 66

4G LTE 1900(B2), AWS(B4), 850(B5), 700(B12), 700(B14), 700(B17), 700(B29), 2300(B30), 1700(B66)

Peak D/L Up to 600 Mbps

Peak U/L Up to 150 Mbps

