

MBK[®]

MOBILE BROADBAND KIT

The **4K-MBK-XR90** (Fully Integrated) is an intelligently designed portable 5G networking system configured with the Sierra Wireless Airlink[®] XR90 5G modem. These modems can support worldwide, SIM-based, auto-carrier selection, and First Responder bands.

The **4K-MBK-XR90** provides a WiFi6 802.11 wireless and giga-byte ethernet networking options.

The **4K-MBK-XR90** 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 **4K-MBK-XR90** 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.

4K-MBK-XR90 is a 5G solution that contains the Sierra Wireless Airlink[®] XR90 and an integrated LifePo4 battery bank.

Typical Client Count: 256

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: 23 lbs.

Run Time (estimated): 4-8 hours

Charging: The **4K-MBK-XR-90:** 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.



GSA Stars III - 47QTCB22D0120,
GSA IT Schedule 70 - GS35F528GA

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The supercharged AirLink® XR90 is purpose-built for public safety and transit with available dual-5G cellular radios and dual independent 4x4 MU MIMO Wi-Fi 6 antennas. It is the highest performing, most flexible router in the Sierra portfolio. It supports complete device-to-cloud security, reduces your total cost of ownership with ALMS Out-of-Band management, and with the cartridge-based design, enables long-term expandability and upgradability.

Single 5G: 5 Gigabit Ethernet

GNSS with Dead Reckoning

Dual 4x4 MU MIMO Wi-Fi 6

Single/Dual Serial

IP64 Rated

AirLinkOS with AirLink Premium

The XR90 also has an LPWA Cellular interface, equipped with a Sierra Wireless Ready to Connect (R2C) eSIM, that provides a connection to AirVantage.



AirLink Premium

Ensures your AirLink XR90 hardware operates at peak efficiency and is always accessible. With device management and robust mobility reporting combined with our best-in-class management service and technical support, this offering includes:



AirLink Management Service (ALMS) network management

Advanced Mobility Reporting (AMR)

24/7/365 Tier 1 technical support from wireless experts via phone or online access

Extended hardware warranty - up to 5 years

The Mobile Broadband Kit (4K-MBK-XR90) is the First Responders 5G First Choice for emergency response.



Rapid Deployment

4K-MBK-XR090 is designed for locations with good 5G/4G LTE signal strength and quick deployment. No external antennas are required. LAN and WAN Ports extended to the outside of the kit.



5G Bands Supported: n1, n2, n3, n5, n28, n41, n66, n71, n77, n78, n79 (NSA & SA Support)

Future Variant adds support for: n7, n8, n12, n20,



4K-MBK-XR90