The Sonim Rapid Deployment Kit (RDK) is exactly what you’d expect from the world’s leader in next generation public safety communication solutions.

It provides first responders and public safety agencies secure and reliable access and connectivity for use in mission critical deployments.

**Ultra-rugged and ultra-portable.**
Each kit is wheeled with a handle for easy transport and is equipped with four Sonim XP8 smartphones, Cradlepoint modem, 15.6 Ah battery, and a Bluetooth-enabled battery monitoring system to keep both the RDK-3i and XP8s powered throughout the emergency situation.

With JPS RSP Z-2 Dual Channel Gateway extend LMR interoperability by connecting to two LMR radios to enhanced PTT services for cross-band/cross system capabilities (INTEROP).

And with optional intelligent failover to reliable satellite capability via Inmarsat Government-provided Broadband Global Area Network (BGAN), first responders can communicate and coordinate efforts, when no other coverage is available.

* BGAN Equipment and Inmarsat Satellite Services sold separately.
** Each XP8 in the kit and the included router each require their own service plan.
Test Methodology
Default configuration shipped with hardware including NAT and basic stateful/zone firewall configuration. Throughput is shown as bi-directional TCP traffic with less than a 1% packet loss using four wired clients. Number of clients is determined by amount of available memory during throughput testing.

Number of Clients
Each customer deployment may have a different number of clients. Having high client counts may not be supported on the device and/or performance results may vary from the published results.

Physical
Interior Dimensions 20.5” x 15.3” x 10.1”
Exterior Dimensions 22.8” x 18.3” x 11.2”
Weight Without Sonim Units 23.8 LBS
Weight With 4 Sonim XP8 Units 26.8 LBS
Colors Available Black (standard), Yellow, Orange, Green
Case Material Lightweight NK-7 Resin
Latch ABS
O-Ring Polymer
Waterproof (IP67) Yes
Airline Check-In Yes
Airline Cabin No

Battery
Type LiFePO4 - Lithium Ferro Phosphate
Voltage 13.2 VDC
Capacity 15.6Ah – 205.9Wh
Battery Life 8 Years
TSA/FAA Travel Guidelines Split Cell falls within TSA/FAA guidelines to travel
Standard Charge Voltage 13.9 – 14.6 VDC
Maximum Charge Voltage 15 VDC
Environmental Rating IP66

WIFI Power
2.4 GHz 18 dBm conducted
5 GHz VHT20 175 dBm conducted
5 GHz VHT40 17 dBm conducted
5 GHz VHT80 16.5 dBm conducted

Cellular Power
LTE 23 dBm ± 1 conducted
HSPA+ 23 dBm ± 1 conducted
EVDO 24 dBm ± 1 conducted

Temperature
Operating -20 °C to 60 °C (-4 °F to 140 °F)
Storage -40 °C to 85 °C (-40 °F to 185 °F)

Data Sheet
[0x0]Data
Sheet
[0x0]3.15 A
[0x0]<2 m: 50% <5 m: 90%
[0x0]15.6Ah – 205.9Wh
[0x0]Polymer
[0x0]4900 mAh
[0x0]17 .5 dBm conducted
[0x0]17 dBm conducted
[0x0]16.5 dBm conducted
[0x0]22.8”  x  18.3”  x  11.7”
[0x0]Black (standard), Yellow, Orange, Green
[0x0]2, 80 with network
[0x0]For speed (10BASE-T
[0x0]SMA
[0x0]LiFeP04 - Lithium Ferro
[0x0]2.0 Charging
[0x0]6.25W
[0x0]Nano – 4FF
[0x0]23 dBm ± 1 conducted
[0x0]Limited Warranty
[0x0]SMA
[0x0]-40 °C to 85 °C
[0x0]5% to 95%
[0x0]2
[0x0]Sonim XP8 Ultra-
[0x0]IEEE802.3af /
[0x0]12 – 18 VDC
[0x0]3 port unmanaged
[0x0]Radio, PSTN, SIP, RTP, RoIP, LTE, Bluetooth
[0x0]Donor Radio Ports 2

Note: Technical specifications and testing methods are for RDK-3i only and do not include satellite testing or specifications.
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