sonim®

Mega Connect ™

The world's first HPUE mobile hotspot

Connection you can trust when every second counts.

Wherever the mission takes you, the Sonim MegaConnect mobile hotspot ensures you stay connected. FirstNet®, Built with AT&T and its FirstNet MegaRange™ HPUE technology, it delivers 6x the signal strength of standard devices, extending 5G coverage to places others can't reach— whether deep in remote woodlands or inside concrete structures.

Now FirstNet Trusted™, it provides secure, prioritized access to keeps teams confidently connected when it matters most. And because it's much smaller and lighter than other Power Class 1 devices, it moves seamlessly from location to location with minimal effort making it the perfect on-site and

Top Features

Expanded coverage and unstoppable connectivity

Powered by FirstNet MegaRange and 5G+, your team can count on MegaConnect to keep critical data flowing. It delivers unmatched signal strength with 1.25W transmission power—the highest allowed in the U.S.* This power delivers twice the upload throughput speed of standard devices, ensuring faster uploads, fewer dead zones, and reliable connectivity, even in the most challenging environments.

Prioritized connections

In addition to its MegaRange capabilities, MegaConnect is now FirstNet Trusted and avaialble for use on FirstNet. With the power of FirstNet, MegaConnect provides enhanced signal strength and coverage where other hotspots cannot.* Clear of commercial traffic, FirstNet prioritizes secure, dedicated coverage for first responders and those whose mission is absolutely critical.

Braves the elements

Certified to meet military MIL-STD-810H, IP5X and IPX3 ratings and a subset of Sonim's own Rugged Performance Standards, MegaConnect protects against even the harshest elements.

Portable and effortless for mission-critical work

Designed for work that doesn't wait, MegaConnect combines highly portable design with easy, instant setup. Lighter and smaller than current Power Class 1 devices, it's ready to move at a moment's notice and maintain productivity throughout.

Quiet, consistent reliability

While other mobile hotspots may struggle with overheating and forced downtime during heavy workloads, MegaConnect is built with an advanced thermal management system hat ensures reliable and uninterrupted performance, even during intensive use.

*This enhanced signal is available only on Band 14 spectrum, the spectrum to which AT&T has exclusive access for FirstNet.

Data Sheet

Go beyond.

FIRSTNET.
Built with AT&T
TRUSTED

Connectivity

Cellular Technology	5G (FR1), 4G LTE, 3G UMTS
5G Features	SA, NSA, DSS
5G Bands	n1, n2, n3, n5, n7, n13, n14, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48, n66, n71, n77, n78
5G SA CA/ EN-DC Support	SA: 4xCC CA EN-DC: Supported
LTE Category	DL: Cat 20; UL: Cat 20
LTE Bands	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B20, B25, B26, B28, B29, B30, B38, B39, B40, B41, B42, B43, B46, B48, B66, B71
LTE CA Support	DL 7xCC CA, UL 2xCC CA
3G Technology/Bands	UMTS/HSPA+; B1/B2/B4/B5/B8
Power Class	PC1: B14, n14; PC2: n77, n78; PC3: All other bands
Wi-Fi Technology	Wi-Fi 7 (802.11 a/b/g/n/ac/ax/be)
Wi-Fi Frequency Bands	2.4GHz, 5GHz & 6GHz (tri-band, dual concurrent)
Wi-Fi Connections	Up to 64 connected devices

OS & Chipset

OS & Version	OpenWRT
Modem Chipset	Qualcomm SDX75-1
RF Front End	SDR875
Wi-Fi Chipset	Qualcomm WCN7850 (Hamilton)

Memory, SIM & LED

RAM (Processor Memory)	1GB
ROM (Storage)	1GB
Battery Size	8000mAh
Battery Removable	Yes
Usage without Battery Installed	Yes
Charging	USB-C, Fast Charge
SIM Type	Single 4FF SIM, Removable
Display Technology	TFT LCD with Capacitive Touch
Display Size	2.4" Color
Screen Resolution	QVGA (320x240)

Regulatory, Ports & Other Items

Regulatory Approvals	FCC
Industry Approvals	PTCRB, Wi-Fi Certification, FirstNet Trusted
Ports	USB Type C (USB 3.1 Gen 2), 1x RJ45 2.5Gbps WAN/LAN, external antenna (cellular: 2 TS-9; HPUE: 1 TS-9; GPS: 1 TS-9)
Location Services	GPS L1 & L5/s-GPS
Dimensions	137mm x 100mm x 29.65mm / 5.39" x 3.94" x 1.17"
Weight	448g / 15.8oz
Rugged Performance Standard & Safety	IP53, MIL-STD-810H
Device Management	SonimWare Included (future MR)

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