

SHIELD MegaFi

Highest Power Mobile Routers for Critical Communications

↔ 6x Uplink Power

📶 Maximum Connectivity

📶 Increased Building Penetration



Connect in More Places

Nextivity SHIELD MegaFi is a one-of-a-kind offering for first responders and others with critical communication needs. Featuring proprietary FirstNet® MegaRange™ technology, SHIELD MegaFi improves connectivity and data throughput and across wider rural areas and deeper into dense urban areas than today's standard equipment.

How Nextivity Delivers 6x the Power to Extend Coverage

Cellular connectivity (e.g., signal strength, operational range, or video, data, and voice coverage) is limited by uplink power in standard devices. This is the power devices are allowed to use to transmit to the tower. It is limited to prevent interference and damage to the network that standard devices can cause. With standard devices, there is an imbalance between uplink and downlink power – which is why in outlying areas you can often receive data and messages but cannot successfully respond.

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.

Real-Life Benefits of FirstNet® MegaRange™

With the increased uplink power, provides a more robust, far-reaching signal. For users, this means better connectivity in rural areas and hard-to-reach places such as valleys, mountains, off-shore areas, and wooded or forested expanses. In urban areas, the extra power increases coverage in building shadows, underground, in elevators, and other shielded environments.



SHIELD MegaFi



Extend Your Coverage:

Improve coverage in rural and dense urban areas

Increase Building Penetration:

Maintain communications deep inside modern structures and underground spaces that weaken signals

Wi-Fi Hot Spot Supports Voice and Data:

Reliably stream / upload critical information from anywhere

Fixed, Mobile, and Portable Models:

Get the best connectivity where and when you need it with the highest power devices on the market