

SHIELD MegaFi 2

High Power 5G Mobile Router for Critical Communications

 6x Uplink Power  Maximum Connectivity  Increased Building Penetration  5G Support



HPUE with 5G Support

SHIELD MegaFi 2 is an integrated high power 5G HPUE multiport router and Wi-Fi hotspot device that operates on all AT&T bands. It is the first device that combines 5G support with HPUE performance – 6x the power of regular devices – to ensure enterprises have reliable connectivity for critical communications. MegaFi 2 features proprietary Nextivity IntelliBoost® technology that enhances connectivity and data coverage across wider rural areas and deeper into dense urban environments than standard equipment. With dual SIM support, it provides critical redundancy, ensuring first responders stay connected wherever they go.

How Nextivity Delivers 6x the Power to Extend Coverage

In standard devices, cellular connectivity (e.g., signal strength, range, and coverage) is limited by uplink power or the power, they are allowed to use to transmit to the tower. These limits prevent interference and damage to the network. This creates an imbalance between uplink and downlink power – which is why in outlying areas you can often receive data / messages but cannot respond.

SHIELD MegaFi devices are the only solutions on the market that use AT&T MegaRange™ technology. The MegaFi 2 is a 3GPP Power Class 1 device, allowing +31 dBm (1.25 Watts) power output, while standard Power Class 3 devices, including typical consumer cellular devices, are limited to +23 dBm (0.2 Watts).

HPUE in Action

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, offshore 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 2



Extend Your Ability to Connect:

Improve connectivity in rural and some dense urban environments.

Increase Building Penetration:

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

Wi-Fi Hotspot 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.

Nextivity SHIELD MegaFi routers are considered a Power Class 1 (PC1) device and are authorized for UP TO 1.25W, compared to traditional devices that are Power Class 3 that can reach up to 0.2W. Wattage may vary based on network variables and Band 14 availability. As of 2/15/2024, MegaFi is currently the only router in the United States classified as PC1.