Airgain

BROCHURE

MegaFi 2

High Power 5G Mobile Router for Critical Communications

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





HPUE with 5G Support

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 technology that enhances connectivity 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 Airgain Delivers 6x the Power to Extend Connectivity

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.

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 connectivity in building shadows, underground, in elevators, and other shielded environments.

Airgain 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.



MegaFi 2

AT&T Business

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.

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