

SHIELD MegaFixed

FirstNet® MegaRange™ for fixed use in command center, office, remote site, PSAP, and IoT applications.

Shield MegaFixed prepares your environment by delivering superior range, coverage, penetration, and capacity of any device available for use on FirstNet. Shield MegaFixed includes the Nextivity SHIELD AW12 High Power User Equipment (HPUE) modem and the AW12-EI, Ethernet Injector, bringing the power and device management capability needed by today's sophisticated users. The SHIELD AW12 HPUE device is FirstNet Ready™ and meets all 3GPP and FCC requirements as both a Power Class 1 (HPUE) device on LTE Band 14 and as a Power Class 3 (standard power) device on all other AT&T bands. The AW12-EI is a router and power conditioner providing seamless integration to the PC or WAN port of standard Ethernet-connected routers, gateways, and switches.

For a high-speed connection to associated LAN devices, a Gigabit Ethernet connection is provided that also includes Type 2 PoE capability to power Shield MegaFixed. Shield MegaFixed includes an AC 115/230v wall adapter to enable operation from traditional AC power sources.

Shield MegaFixed also includes a ruggedized mounting bracket with associated hardware and is suitable for mounting onto telco backboards, datacenter rack shelves, and other fixed installation locations. Fixed Antennas and FirstNet Ready SIMs are sold separately.



AW12 MegaFixed



Features and Specifications

AT&T and FirstNet bands	2, 4, 5, 12, 14, 29, 30, 66
Power	Band 14: 1.25 watts All other bands: 0.2 watts
Positioning	GNSS 72-channel, GPS, GLONASS, Galileo
Ports	1x Gigabit Ethernet
Network management	Remote provisioning, subscription management, Cloud data analytics
Power	115/230VAC 50/60 Hz with included AC wall adapter or IEEE 802.3at Type 2 PoE from router/ gateway

Environmental

Operating Temperature (°F (°C))	-30 to +65 (-22 to +149)
Storage Temperature (°F (°C))	-40 to +90 (-40 to +194)
Operating humidity	(non-condensing) 0 to 95%
Shock, vibration, thermal shock	MIL-STD-810G

Physical

Dimensions (excluding cables)	12" x 4.25" x 2.01" (304mm x 108mm x 51mm)
Storage Temperature (°F (°C))	-40 to +90 (-40 to +194)