

# SHIELD MegaMobile

FirstNet® MegaRange™ for use in vehicles on land, over water, or wherever the mission takes you.

Shield MegaMobile is the highest power device available on FirstNet creating superior range, coverage, penetration, and capacity when used on the FirstNet network. Shield MegaMobile includes the 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 the unit. Shield MegaMobile includes a DC power cable and operates from 9V to 36Vdc sources to help ensure operation in the most demanding vehicular environments. Shield MegaMobile also includes a ruggedized mounting bracket with associated hardware and is suitable for mounting behind seats, in the trunk, and other locations in the vehicle. Vehicular Antennas and FirstNet Ready SIM cards are sold separately.



SHEILD MegaMobile



## 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 (AW12-EI)	9V to 36Vdc vehicular power with transient protection 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)
-------------------------------	--