

MegaMobile

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



MegaMobile is the highest power device available on FirstNet creating superior range, coverage, penetration, and capacity when used on the FirstNet network. MegaMobile includes the Assured Wireless 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 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 MegaMobile. MegaMobile includes a DC power cable and operates from 9V to 36Vdc sources to help ensure operation in the most demanding vehicular environments.

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.



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AW12 Modem 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

AW12-EI Features and Specifications

Ports	1x Gigabit Ethernet
Network management	Remote provisioning, subscription management, Cloud data analytics
Power	9V to 36Vdc vehicular power with transient protection or IEEE 802.3at Type 2 PoE from router/gateway

Environmental

Operating temperature	-30°C to +65°C (-22°F to +149°F)
Storage temperature	-40°C to +90°C (-40°F to +194°F)
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)
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