

AW12 + AW12-EI Installation Kit

Assured Wireless high power modem paired with USB-to-Ethernet converter and custom mounting bracket



The Assured Wireless AW12 High Power LTE modem, paired with our AW12-EI Ethernet Converter, significantly enhances LTE range, coverage, data speeds and connectivity. The AW12 HPUE device is certified as *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 other AT&T bands. The companion AW12-EI is an USB-to-Ethernet Converter that provides seamless integration of the AW12 USB modem with standard Ethernet-connected routers, gateways and switches.

To ensure 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 and associated AW12 from the LAN.

The AW12-EI includes enhanced power conditioning to operate from 9V to 36V DC sources to ensure operation even in the most demanding vehicular environments.

The installation kit includes: the AW12 USB Modem, a USB cable, the AW12EI Ethernet Converter, an AW12-EI power cable, a vehicle power cable, an Ethernet cable for connection to the associated router or Ethernet switch, and a ruggedized mounting bracket with hardware. FirstNet Ready SIM is sold separately.



AW12 Modem Features and Specifications

Bands	All FirstNet AT&T bands
Power	+5 to +12Vdc nominal power
LTE	Band 14 output power: 1.25W (Power Class 1) Bands 2,4,5,12, (17), 29, 30, 66 output power (Power Class 3)
Location aware	GNSS 72-channel, GPS, GLONASS, Galileo

AW12-EI Converter Features and Specifications

Conversion	USB 3.0 to Gigabit Ethernet
Network management	Remote provisioning, subscription management, Assured cloud data analytics
Power	IEEE 802.3at Type 2 PoE from router/gateway, or 9-36 Vdc vehicular power with transient protection

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

AW12 dimensions	4.33" x 3.23" x 1.26" (110mm x 82mm x 32mm)
AW12-EI dimensions	3.78" x 4.02" x 0.92" (96mm x 102mm x 23.3mm)
Mounting bracket dimensions	12" x 4.25" x .75" (304mm x 108mm x 19mm)