



## AirgainConnect® AC-HPUE™

Multi-Band High Power LTE Antenna-Modem

Whether you are a First Responder or in a public safety support role, the AirgainConnect AC-HPUE provides a quick and easy way to upgrade to band 14 LTE service. The AC-HPUE transmits at up to 10x the power of conventional cellular when combined with Airgain's patented technology eliminating the lossy cables between the modem and the antenna.

### FEATURES

- High Power User Equipment (HPUE)
- Maximum transmit power allowable (Power Class 1)
- Rugged design
- Made in North America
- Optional Wi-Fi and GNSS antennas

### ADVANTAGES

- Innovative design eliminates cable loss, increasing transmit power to the antenna
- Rooftop location for the modem stays cooler than a vehicle trunk, important when transmitting at high power
- Extends coverage in typical low signal environments

### PART NUMBER(S)

BLACK	WHITE	DESCRIPTION
AC-HPUE-C3W2G-Q-S-BL-5M	AC-HPUE-C3W2G-Q-S-WH-5M	3 x LTE, 2 x Wi-Fi, 1 x GNSS (includes 5 m/16.4 ft cables and flat gasket)
AC-HPUE-C3W2G-Q-S-I2C-BL-5M	AC-HPUE-C3W2G-Q-S-I2C-WH-5M	3 x LTE, 2 x Wi-Fi, 1 x GNSS (includes 5 m/16.4 ft cables, flat gasket, and FAKRA connector)
AC-HPUE-C3-Q-S-BL-5M	AC-HPUE-C3-Q-S-WH-5M	3 x LTE (includes 5 m/16.4 ft cables and flat gasket)

AC-HPUE-C3W2G-Q-F15021-BL-5M	AC-HPUE-C3W2G-Q-F15021-WH-5M	3 x LTE, 2 x Wi-Fi, 1 x GNSS (includes 5 m/16.4 ft cables and modified gasket for 2021+ Ford F-150, F-250 and F-350)
AC-HPUE-C3W2G-Q-F15021-I2C-BL-5M	AC-HPUE-C3W2G-Q-F15021-I2C-WH-5M	3 x LTE, 2 x Wi-Fi, 1 x GNSS (includes 5 m/16.4 ft cables, modified gasket for 2021+ Ford F-150, F-250 and F-350 and FAKRA connector)
AC-HPUE-C3-Q-F15021-BL-5M	AC-HPUE-C3-Q-F15021-WH-5M	3 x LTE (includes 5 m/16.4 ft cables and modified gasket for 2021+ Ford F-150, F-250 and F-350)
AC-HPUE-C3W2G-Q-F-BL-5M	AC-HPUE-C3W2G-Q-F-WH-5M	3 x LTE, 2 x Wi-Fi, 1 x GNSS (includes 5 m/16.4 ft cables and modified gasket for 2020+ Ford Interceptor)
AC-HPUE-C3W2G-Q-F-I2C-BL-5M	AC-HPUE-C3W2G-Q-F-I2C-WH-5M	3 x LTE, 2 x Wi-Fi, 1 x GNSS (includes 5 m/16.4 ft cables, modified gasket for 2020+ Ford Interceptor, and FAKRA connector)
AC-HPUE-C3-Q-F-BL-5M	AC-HPUE-C3-Q-F-WH-5M	3 x LTE (includes 5 m/16.4 ft cables and modified gasket for 2020+ Ford Interceptor)
AC-HPUE-C3W2G-Q-FEXPD18-BL-5M	AC-HPUE-C3W2G-Q-FEXPD18-WH-5M	3 x LTE, 2 x Wi-Fi, 1 x GNSS (includes 5 m/16.4 ft cables and modified gasket for 2018+ Ford Expedition)
AC-HPUE-C3W2G-Q-FEXPD18-I2C-BL-5M	AC-HPUE-C3W2G-Q-FEXPD18-I2C-WH-5M	3 x LTE, 2 x Wi-Fi, 1 x GNSS (includes 5 m/16.4 ft cables, modified gasket for 2018+ Ford Expedition, and FAKRA connector)
AC-HPUE-C3-Q-FEXPD18-BL-5M	AC-HPUE-C3-Q-FEXPD18-WH-5M	3 x LTE (includes 5 m/16.4 ft cables and modified gasket for 2018+ Ford Expedition)
AC-HPUE-C3W2G-Q-F19-BL-5M	AC-HPUE-C3W2G-Q-F19-WH-5M	3 x LTE, 2 x Wi-Fi, 1 x GNSS (includes 5 m/16.4 ft cables and modified gasket for 2016-2019 Ford Interceptor)
AC-HPUE-C3W2G-Q-F19-I2C-BL-5M	AC-HPUE-C3W2G-Q-F19-I2C-WH-5M	3 x LTE, 2 x Wi-Fi, 1 x GNSS (includes 5 m/16.4 ft cables, modified gasket for 2016-2019 Ford Interceptor, and FAKRA connector)
AC-HPUE-C3-Q-F19-BL-5M	AC-HPUE-C3-Q-F19-WH-5M	3 x LTE (includes 5 m/16.4 ft cables and modified gasket for 2016-2019 Ford Interceptor)

## TECHNICAL SPECIFICATIONS

### ELECTRICAL

Ethernet Injector + 12 VDC

Ignition sense

Power conditioning built to automotive standard ISO 7637-2

### LTE MODEM

Cat 12, 3GPP Release 12 +

Band 14 output power: 1.25W (Class 1) Element 1

Bands 2, 4, 5, 12, 17, 29, 30, 66 output power: 200mW (Class 3) Elements 2 & 3

Transmit bandwidth: 1.4 MHz through 20 MHz

WCDMA capabilities on bands 2, 4, 5

### Wi-Fi ANTENNAS

IEEE 802.11 a/b/g/n/ac/ax Wi-Fi 6, 6E, 7

Frequency Range	Elements 4 & 5	SMA: 2.4/4.9-7.1 GHz, FAKRA: 2.4/4.9-6.0 GHz
-----------------	----------------	--

### GNSS

Ceramic Patch Antenna Specification	Bandwidth	1561-1603 MHz
	Gain@Zenith	2.5 dBi
	Polarization	R.H.C.P.
	Axial Ratio	3.0 dB Typ.

LNA Specification	Noise Figure	1.2 dB
	Gain	28 dBi
	Voltage	3.3V~5.6V
	Current	9.6±1mA@3.3V

## MOUNTING DATA

Dimensions	Height	3.27" (83.1mm)
	Width	5.79" (147.0mm)
	Length	7.95" (201.9mm)
Weight	1.7 lbs (771 g)	
Mount	Bolt Mount	
Color	White (WH), Black (BL)	

## SIM CARD

3FF Micro SIM card support