

GNSS External Antennas

Our GNSS External antennas are high performing compact antennas suitable for rugged environments and outdoor applications. These high precision antenna solutions come in different shapes and mounting. These solutions support multiple GNSS constellations as well as a combination of protocols including cellular 5G NR/4G LTE and dual Wi-Fi bands. These are ideal for telematics, transportation, tracking, navigation, and surveillance applications such as fleet management, asset tracking and remote monitoring. The antennas can be customized for cable and connector as per the requirements.

FEATURES

- IP67 rated
- Multiband GNSS including GPS L1/L2, GLONASS, BEIDOU and GALILEO
- Combo antennas covering GNSS, Cellular 5G/4G LTE and Dual Wi-Fi bands
- Screw/Panel mount and connector mount helical design
- Compact size
- High gain

APPLICATIONS

- Telematics
- Intelligent transportation systems
 - Fleet management
 - Asset tracking/Vehicle tracking
- Geolocation mapping/tracking
- GPS tracking and accessories
- Remote monitoring
- Smart agriculture/Precision farming
- Surveillance
- Smart metering
- Security applications



PART NUMBER	AEC0502GB	AECR1808A12	AECW0801C03	AECW0801C09
TYPE	Whip	Dome	Puck	Puck
FREQUENCY	1.189GHz ~ 1.278, 1.561GHz ~ 1.602GHz	698MHz ~ 960MHz, 1.710GHz ~ 2.690GHz, 1.561GHz ~ 1.602GHz, 2.4GHz ~ 2.484GHz, 2.900GHz ~ 3.800GHz, 5.150GHz ~ 5.850GHz	698MHz ~ 960MHz, 1.710GHz ~ 2.690GHz, 1.561GHz ~ 1.602GHz, 2.400GHz ~ 2.484GHz, 5.150GHz ~ 5.850GHz	698MHz ~ 960MHz, 1.710GHz ~ 2.690GHz, 1.561GHz ~ 1.602GHz, 2.400GHz ~ 2.484GHz, 5.150GHz ~ 5.850GHz
PEAK GAIN	2.0 dBi	2.0 dBi, 5.0 dBi, 2.0 dBi	2.0 dBi, 2.0 dBi, 2.0 dBi	2.5 dBi, 2.0 dBi, 2.0 dBi
MOUNTING	Connector Mount	Screw Mount	Screw Mount	Screw Mount
PACKAGE SIZE (mm)	55.6 x Ø27.5	189.0 x 182.0 x 85.0	Ø81.3 x 16.3	Ø81.3 x 16.3
KEY FEATURES	Ultra-low profile, IP67 rated, Active GNSS, GPS L1/L2, GLONASS G1/G2, BEIDOU/Compass B1/B2/B3, GALIELO E1/E5b	5-in-1 combo antenna, MIMO 2x 5GNR + MIMO 2x Wi-Fi 2.4/5GHz + Active GNSS/GPS/GLONASS/BeiDou/QZSS, IP67 rated	3-in-1 combo antenna, 4G LTE/ CAT-M/ NB-IoT + Wi-Fi 2.4/5 GHz + Active GNSS/GPS/GLONASS/BeiDou/QZSS, IP67 rated	4-in-1 combo antenna, MIMO 2 x 4G LTE/ CAT-M/ NB-IoT + Wi-Fi 2.4/5 GHz + Active GNSS/GPS/GLONASS/BeiDou/QZSS, IP67 rated