

Multi-band Combo Antenna

MODEL: AU-4GS-LTE

Combo antenna for GPS/GLONASS & 4G LTE



Overview:

The **AU-4GS-LTE** is the multi-band antenna that covers GPS/GLONASS, 4G LTE frequencies. It is specially designed for GNSS, 2G, 3G and 4G applications. The high sensitivity of **AU-4GS-LTE** will enhance the performance of your telemetry devices.

Features:

1. Covers all the mobile communication network
2. Diminutive & rugged construction allows for military and other applications demanding high degree of confidentiality.
3. Ultra-high sensitivity.
4. IPX7 fully weatherproof.
5. Magnetic Mount

Applications:

1. AVL/Car Navigation
2. Telemetry Application
3. Security Surveillance
4. Vehicle tracking/Asset tracking

Specification:

Category	GNSS Antenna	4G LTE
Frequency	1575.42MHz 1602MHz	704~960 MHz, 1710~2690 MHz
Gain(Without Cable)	27dB	5dBi@700~960MHz (1m cable) 2dBi@1710~2690MHz (1m cable)
V.S.W.R	≤ 1.8	≤ 2.0
Noise Figure	1.2 Max.	-
Band Width	2MHz	
Impedance	50 Ohm	50 Ohm
Cable/Connector	3 Meter-RG174/SMA	3 Meter-RG174/SMA
Polarization	R.H.C.P	Linear
Power supply	3.0~ 5.5V DC	-
Power Consumption	7~13mA@ 5V	-
Power Handling Capacity	-	10W
Dimension	65mm(Dia.) x 20mm(H)	
Operation Temperature	-40degC to +80degC	
Storage Temperature	-45degC to +100degC	
Waterproof Rating	IPX7	
Color	Black	

* This specification is subject to change without prior notice



3D Gain and Efficiency Report (with a 3m RG-174 cable).

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Frequency (MHz)	704	734	756	768	787	824	868	880	915	960
Gain (dBi)	-2.44	-0.43	0.25	-0.76	0.39	-0.99	-0.52	0.38	-0.89	-1.07
Efficiency (%)	14.61	25.48	28.37	24.64	24.34	21.52	16.68	17.72	19.99	21.88
Average Gain (dB)	-8.35	-5.94	-5.47	-6.08	-6.14	-6.67	-7.78	-7.52	-6.99	-6.6

Frequency (MHz)	1710	1785	1805	1850	1880	1920	1990	2110	2140	2170
Gain (dBi)	-2.59	-2.17	-3.87	-3.39	-4.5	-3.91	-3.02	-5.42	-6.02	-6.38
Efficiency (%)	16.52	14.83	13.25	13.25	11.94	11.14	15.43	9.88	10.18	9.58
Average Gain (dB)	-7.82	-8.29	-8.78	-8.78	-9.23	-9.53	-8.12	-10.05	-9.92	-10.19

Frequency (MHz)	2300	2400	2500	2570	2620	2690
Gain (dBi)	-3.9	-4.47	-4.71	-3.24	-3.11	-2.52
Efficiency (%)	8.99	11.47	14.05	14.49	11.47	13.22
Average Gain (dB)	-10.46	-9.4	-8.52	-8.39	-9.41	-8.79