

Multi-Band GNSS Active Antenna Patch & Helix

High-Performance Multi-Band GNSS Solutions
for High-Precision Positioning



Multi-Band Support
Comprehensive coverage
of L1, L2, L5, and L6 signals
for global positioning



L-Band Support
Reliable reception of
satellite-based RTK
correction signals



**Ultra-Lightweight
Design**
Weighing only 9.7 g
for optimal portability



Superior Signal Quality
Excellent axial ratio
of ≤ 1.5 dB



Key Applications



Drone / UAV



Unmanned
lawnmower robot



Survey



Smart Agriculture
(Tractors, Harvesters)



Smart Construction
(Excavators, Dump Trucks)



Product Lineup

Embedded Active Antenna (Antenna + LNA)

Series	Frequency	Gain (dBic)	Dimensions (mm)	Remark	Appearance
AGA424208	L1/L2	26~33	43 x 43 x 11		
AGA424214	L1/L2/L5	34	43 x 43 x 17		
AGA646422	L/L1/L2/L5/E6b	32~39	64 x 64 x 22	High-Performance	
AGAF3823 (Helix)	L/L1/L2/L5/E6b	30	Dia 48 x 28	Ultra-Lightweight	

External Active Antenna (Antenna + LNA)

Series	Frequency	Gain (dBic)	Dimensions (mm)	Remark	Appearance
AGA556022	L1/L2	24~27	55 x 60 x 22	Cable: RG174 5m Connector: SMA	
AGA556025	L1/L2/L5	28~32	50 x 60 x 25		
AGA848424	L/L1/L2/L5/E6b	26~31	84 x 84 x 24		
(Helix)	L/L1/L2/L5/E6b	Target Completion: July 2026			



Technical
Support
Service

- Customizable cable lengths and connector types available upon request
- Performance evaluation available within the customer's integrated system



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