Trimble OEM GNSS Antennas

Trimble's OEM GNSS division provides original equipment manufacturers (OEM) and system integrators the ability to offer continuous mobile positioning and high-accuracy orientation with precision GNSS technology.

OEM GNSS serves a broad cross-section of major markets with its precise positioning solutions. Some of these applications include geomatics, construction and machine control, agriculture, mining and unmanned vehicles for air, land and marine. OEMs and system integrators can integrate Trimble's field-proven precision GNSS technology into their products to achieve product differentiation and gain a competitive edge in the marketplace.

Contact your local dealer today

TRIMBLE OEM

GNSS Antennas

OEM GNSS Antennas

	Trimble AV16	Trimble AV17	Trimble AV28	Trimble AV33	Trimble AV34	Trimble AV39	Trimble AV59	Trimble LV59	Trimble AG25 / GA810	Trimble GA830	Zephyr 3 Rover	Zephyr 3 Base	Zephyr 3 Rugged	
														
Part Number	120982-16	120982-17	112735	83553	86362	105728 (US) 105728-10 (Non-US)	C02992 (white) 98042 (green)	C03167	AG25: 99038-00-INT GA810:99810-30-INT	44830-00-INT (Branded - Yellow) 44830-10 (Unbranded - Grey)	105000-50-INT	115000-50-INT	125000-10-INT	125000-30-INT
Design Type	UAV / UAS	UAV / UAS	Aviation	Aviation	Aviation	Aviation ARINC 743 TSO certified	Aviation	Land / Vehicle	Land / Vehicle	Marine / Land / Vehicle	Land / Vehicle	Land / Geodetic	Land / Marine / Geodetic	Land / Marine / Geodetic
Size (d) x thickness (cm) Weight (kg)	4.42ø x 6.24 0.037 kg	4.42ø x 6.24 0.042 kg	6.6ø x 2.1 0.185 kg	8.9ø x 2.1 0.20 kg	8.9ø x 2.1 0.21 kg	14.27 x 11.1 x 3.76 0.39 kg	14.6ø x 3.9 0.30 kg	14.6ø x 3.9 0.48 kg	16.1ø x 7.6 0.57 kg	14.9ø x 9.9 0.82 kg	16.5ø x 7.6 0.64 kg	34.3ø x 7.9 1.36 kg	21.9ø x 12.5 incl. Mount 2.19 kg	18.7ø x 8.6 incl. Mount 1.79 kg
Mounting Style	SMA Male	SMA Male	3/4" through Hole Mount	Bulkhead / Flush	Bulkhead / Flush	Bulkhead / Flush ARINC 743 Footprint	Bulkhead / Flush	5/8" Thread	5/8" Thread / + Magnets	5/8" Thread	5/8" Thread	5/8" Thread	3" Mast Mount	5/8" Thread
GPS	L1, L2	L1, L2, L5	L1, L2, L5	L1	L1, L2	L1, L2, L5	L1, L2, L5	L1, L2, L5	L1, L2, L5	L1, L2, L5	L1, L2, L5	L1, L2, L5	L1, L2, L5	L1, L2, L5
GLONASS	L1, L2	L1, L2, L3	L1, L2, L3	L1	L1, L2	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2, L3
Galileo	E1	E1, E5a, E5b	E1, E5a, E5b	E1	E1	E1, E5a, E5b	E1, E5a, E5b	E1, E5a, E5b	E1, E5a, E5b, E6	E1, E5a, E5b, E6	E1, E5a, E5b, E6	E1, E5a, E5b, E6	E1, E5a, E5b, E6	E1, E5a, E5b, E6
BeiDou	B1	B1, B2	B1, B2	B1	B1	B1, B2	B1, B2	B1, B2	B1, B2, B3	B1, B2, B3	B1, B2, B3	B1, B2, B3	B1, B2, B3	B1, B2, B3
QZSS	L1, L2	L1, L2, L5	L1, L2, L5	L1	L1, L2	L1, L2, L5	L1, L2, L5	L1, L2, L5	L1, L2, L5, LEX	L1, L2, L5, LEX	L1, L2, L5, LEX	L1, L2, L5, LEX	L1, L2, L5, LEX	L1, L2, L5, LEX
IRNSS	–	L5	L5	–	–	L5	L5	L5	L5	L5	L5	L5	L5	L5
SBAS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
L-Band	✓	✓	✓	–	–	✓	✓	✓	✓	✓ & MSK Beacon	✓	✓	✓	✓
Phase Center	<10mm	<10mm	<10mm	<10mm	<10mm	<10mm	<10mm	<10mm	<4mm Hor <14mm Ver	<5mm Hor	<2mm	<2mm	<2mm	<2mm
Special Features	–	–	–	–	–	Special Filtering	–	–	AG25: 3 Magnets and Thread GA810: Thread only	Special Filtering, 75g Shock	Special Filtering		Special Filtering, 75g Shock	
Gain	35dB	35dB	37dB	43dB	43dB	38dB	39dB	39dB	48dB	45dB	50dB	50dB	50dB	50dB
DC-Feed	2.2 V - 16 V 21 mA	2.2 V - 16 V 21 mA	2.5 V - 16 V 20 mA	4.5 V – 18 V 35 mA	4.5 V – 18 V 35 mA	4.2 V – 15 V 130 mA	4.2 V – 15 V 65 mA	4.2 V – 15 V 65 mA	3.4 V – 12 V 130 mA	3.3 V - 15 V 110 mA	3.5 V – 20 V 125 mA	3.5 V – 20 V 125 mA	3.5 V – 20 V 125 mA	3.5 V – 20 V 125 mA

Product pictures not to scale

HIGH PERFORMANCE

Trimble® antennas have been designed to support high accuracy air, land and marine applications. Multiple constellation support improves the number of satellites available for positioning, especially in obstructed environments. Trimble antennas are high-performance multiband GNSS antennas that are built with weather-resistant materials to allow operation in the most rugged of environments.

ROBUST, LOW MULTIPATH

Trimble antennas are robust, low-multipath GPS antennas that resist unwanted signal interference or multipath which can cause inaccurate measurements. Multipath is caused by signals being reflected from surfaces such as the ground, surrounding tress, or buildings.

SPECIAL FILTERING

Some antennas offer special filtering against nearby Iridium and Japanese LTE transmissions.

FLEXIBILITY

Trimble antennas come in different designs for applications that require mounting on a pole or flush-mounted to a vehicle. The connection system on the underside of the antennas allow for easy removal of the antennas and protection of the attached cable from the environments.

COMPREHENSIVE GNSS SUPPORT

All Trimble antennas offer support for present and future GNSS signals, including GPS, GLONASS, Galileo and BeiDou. This ensures your antennas will operate with your present and most likely future GNSS receivers. This technology means any investment in a Trimble GNSS antenna will last for many years to come.