



TRIMBLE PRECISION OEM

# GNSS Antennas







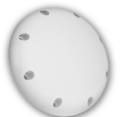










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# Trimble Precision OEM GNSS Antennas



	Trimble AV28	Trimble AV33	Trimble AV34	Trimble AV37	L1/L2 Aviation	Trimble AV39	Trimble AV59	Trimble LV59	Trimble AG25	Trimble GA810	Trimble GA830	Zephyr 3 Rover	Zephyr 3 Base	Zephyr 3 Rugged	
															
Part Number	112735	83553	86362	82745 (US) 82745-10 (Non-US)	C02817	105728 (US) 105728-10 (Non-US)	C02992 (white) 98042 (green)	C03167	99038-00-INT	99810-30-INT	44830-00-INT	105000-50-INT	115000-50-INT	125000-10-INT	125000-30-INT
Design Type	Aviation	Aviation	Aviation	Aviation	Aviation TSO certified	Aviation TSO certified	Aviation	Land / Vehicle	Land / Vehicle	Land / Vehicle	Marine / Land / Vehicle	Land / Vehicle	Land / Geodetic	Land / Marine / Geodetic	Land / Marine / Geodetic
Size (d) x thickness (cm) Weight (kg)	6.6" x 2.1 .185 kg	8.9" x 2.1 .20 kg	8.9" x 2.1 .21 kg	11.9 x 7.6 x 2.3 .283 kg	11.9 x 7.6 x 1.9 .22 kg	14.27 x 11.1 x 3.76 .39 kg	14.6" x 3.9 .30 kg	14.6" x 3.9 .48 kg	16.1" x 7.6 .57 kg	16.1" x 7.6 .57 kg	14.9" x 9.9 .82 kg	16.5" x 7.6 .64 kg	34.3" x 7.9 1.36 kg	21.9" x 12.5 incl. Mount 2.19 kg	18.7" x 8.6 incl. Mount 1.79 kg
Mounting Style	3/4" through Hole Mount	Bulkhead / Flush	Bulkhead / Flush	Bulkhead / Flush ARINC 743 Footprint	Bulkhead / Flush ARINC 743 Footprint	Bulkhead / Flush ARINC 743 Footprint	Bulkhead / Flush	5/8" Thread	5/8" Thread / + Magnets	5/8" Thread	5/8" Thread	5/8" Thread	5/8" Thread	3" Mast Mount	5/8" Thread
GPS	L1, L2, L5	L1	L1, L2	L1, L2	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	L1, L2, L5
GLONASS	L1, L2, L3	L1	L1, L2	L1, L2	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	L1, L2, L3
Galileo	E1, E5a, E5b	E1	E1	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	E1, E5a, E5b, E6
BeiDou	B1, B2	B1	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	B1, B2, B3
QZSS	L1, L2, L5	L1	L1, L2	L1, L2	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	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	<4mm Hor <14mm Ver	<5mm Hor	<2mm	<2mm	<2mm	<2mm
Special Features	-	-	-	-	-	Special Filtering	-	-	3 Magnets in Bottom	-	Special Filtering, 75g Shock	Special Filtering		Special Filtering, 75g Shock	
Gain	37dB	43 dB	43 dB	43 dB	40 dB	38 dB	39 dB	39 dB	48 dB	48 dB	45 dB	50dB	50dB	50dB	50dB
DC-Feed	2.5 V - 16 V 20 mA	4.5 V - 18 V 35 mA	4.5 V - 18 V 35 mA	5.0 V - 15 V 75 mA	5.0 V - 15 V 75 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	3.4 V - 12 V 130 mA	5.5 V - 18 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

## 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 trees, or buildings.

## SPECIAL FILTERING

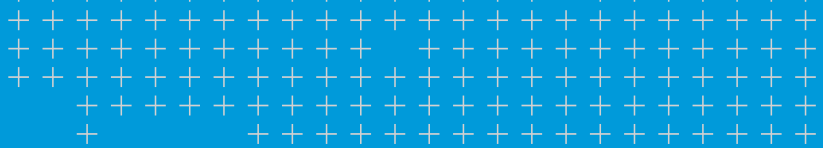
Some antennas offer special filtering against nearby Iridium and Japanese LTE transmissions.

## 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.



# Trimble Precision OEM + Inertial

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

Trimble Precision OEM + Inertial 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.

For more information visit [www.trimble.com/Precision-GNSS](http://www.trimble.com/Precision-GNSS)

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