

# OEM GNSS Receivers and Enclosures

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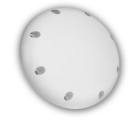









	BD910	BD940	BD940-INS	BX940	BD970	BD982	BX982	BD990	BD992	BD992-INS	BX992	MB-Two	ABX-Two
													
Technology	Maxwell 6	Maxwell 7	Maxwell 7	Maxwell 7	Maxwell 6	Maxwell 6	Maxwell 6	Maxwell 7	Maxwell 7	Maxwell 7	Maxwell 7	Z-Blade	Z-Blade
Size (mm) Weight (g)	41 x 41 x 7 19	51 x 41 x 7 27	67 x 60 x 15 60	149 x 93 x 43 660	100 x 60 x 11.6 62	100 x 84.9 x 11.5 92	261 x 140 x 55 1600	100 x 60 x 11.6 54	100 x 60 x 11.6 60	100 x 60 x 11.6 62	185 x 93 x 43 760	71 x 46 x 11 24	190 x 58 x 160 1270
Channels	220	336	336	336	220	2 x 220	2 x 220	1 x 336	2 x 336	2 x 336	2 x 336	240	2 x 240
Max. Update Rate (Hz)	20	50	100	100	50	50	50	50	50	100	100	50	50
GPS	L1	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	L1, L2	L1, L2
GLONASS	L1	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2	L1, L2
BeiDou	B1	B1, B2	B1, B2	B1, B2	B1, B2	B1, B2	B1, B2	B1, B2, B3	B1, B2, B3	B1, B2, B3	B1, B2, B3	B1, B2	B1, B2
Galileo	E1	E1, E5a, E5b	E1, E5a, E5b	E1, E5a, E5b	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, E5b	E1, E5b
QZSS	L1	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	L1, L2	L1, L2
IRNSS	-	L5	L5	L5	-	-	-	L5	L5	L5	L5	-	-
SBAS	L1	L1, L5	L1, L5	L1, L5	L1, L5	L1, L5	L1, L5	L1, L5	L1, L5	L1, L5	L1, L5	L1	L1
L-Band / MSS	-	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓
Trimble RTX™	-	IP / L	IP / L	IP / L	IP	IP / L	IP / L	IP / L	IP / L	IP / L	IP / L	IP / L	IP / L
OmniSTAR®	-	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	-	-
RTK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
INS Attitude/ Positioning	-	-	✓	✓	-	-	-	-	-	✓	✓	-	-
GNSS Heading/ GNSS Attitude	- / -	- / -	- / -	- / -	- / -	✓ / -	✓ / -	- / -	✓ / -	✓ / -	✓ / -	✓ / -	✓ / ✓
Connector	80-pin	80-pin	44-pin	DE9 & DA26	24-pin + 6-pin	40-pin	DE9 & DA26	44-pin	44-pin	44-pin	DE9 & DA26	28-pin	Various

Product pictures not shown to scale.

# OEM GNSS Antennas

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	Trimble AV28	Trimble AV33	Trimble AV34	Trimble AV37	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)	105728 (US) 105728-10 (Non-US)	C02992 (white) 98042 (green)	C03167	99038-00-INT	99810-30-INT	44830-00-INT (Branded)	44830-10-INT (Unbranded)	105000-50-INT	115000-50-INT	125000-10-INT	125000-30-INT
Design Type	Aviation	Aviation	Aviation	Aviation	Aviation TSO certified	Aviation	Land / Vehicle	Land / Vehicle	Land / Vehicle	Marine / Land / Vehicle		Land / Vehicle	Land / Geodetic	Land / Marine / Geodetic	
Size (d) x thickness (cm) Weight (kg)	6.6° x 2.1 0.185 kg	8.9° x 2.1 0.20 k	8.9° x 2.1 0.21 kg	11.9 x 7.6 x 2.3 0.283 kg	14.27 x 11.1 x 3.76 0.39 kg	14.6° x 3.9 0.30 kg	14.6° x 3.9 0.48 kg	16.1° x 7.6 0.57 kg	16.1° x 7.6 0.57 kg	14.9° x 9.9 0.82 kg		16.5° x 7.6 0.64 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	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, 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, 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, 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, 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	
QZSS	L1, L2, L5	L1	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	
IRNSS	L5	-	-	-	L5	L5	L5	L5	L5	L5		L5	L5	L5	
SBAS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	
L-Band	✓	-	-	✓	✓	✓	✓	✓	✓	✓ & MSK Beacon		✓	✓	✓	
Phase Center	<10mm	<10mm	<10mm	<10mm	<10mm	<10mm	<10mm	<4mm Hor <14mm Ver	<4mm Hor <14mm Ver	<5mm Hor		<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	38 dB	39 dB	39 dB	48 dB	48 dB	45 dB		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	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	

Product pictures not shown to scale.