













Model	Zenith 10/20		Zenith 15	Zenith 25 Pro	Zenith 35 Pro/ TAG
Image					
<b>Specified RTK performance</b>					
RTK Accuracy	10 mm + 1 ppm (Horz)		10 mm + 1 ppm (Horz)	8 mm + 1 ppm (Horz)	8 mm + 1 ppm (Horz)
	20 mm + 1 ppm (Vert)		20 mm + 1 ppm (Vert)	15 mm + 1 ppm (Vert)	15 mm + 1 ppm (Vert)
Rapid Static Accuracy	5 mm + 0.5 ppm (Horz)		5 mm + 0.5 ppm (Horz)	3 mm + 0.5 ppm (Horz)	3 mm + 0.5 ppm (Horz)
	10 mm + 0.5 ppm (Vert)		10 mm + 0.5 ppm (Vert)	5 mm + 0.5 ppm (Vert)	5 mm + 0.5 ppm (Vert)
DGPS Accuracy Horiz.	25 cm		25 cm	25 cm	25 cm
DGPS Accuracy Vertical					
Initialisation time (s)			< 10 s	< 10 s	< 10 s
Initialisation reliability (%)			> 99.9 %	> 99.9 %	> 99.9 %
<b>GNSS Hardware</b>					
No. of Channels	72	120	120	120	555
Pos. Update Rate	5 Hz, 20 Hz		5 Hz	up to 20Hz	20 Hz (default)
GPS	L1, L2, L2C		L1 C/A, L2P, L2C	L1 C/A, L2P, L2C	L1 C/A, L2P, L2C, L5
GLONASS	L1, L2		L1 C/A, L2P	L1 C/A, L2P	L1 C/A, L2P, (L3)
Galileo	-	*	No	Yes (Pro4)	Yes E1, E5, (E6)
BeiDou	-	B1, B2	No	Yes (Pro4)	B1, B2, (B3)
SBAS	No	Yes	Yes	Yes	Yes, multifrequency
L Band	-		-	-	-
<b>Specials</b>					
Tilt Sensor	-		-	-	Yes

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<b>Data Link and Ports</b>				
BT	Yes	Yes	Yes	Yes
WIFI	No	No	No	Yes
LEMO (Serial)	1 (combined USB/Serial/Power)	1 (combined USB/Serial/Power)	1 (combined USB/Serial/Power)	1 (combined USB/Serial/Power)
USB	1 (combined USB/Serial/Power)	1 (combined USB/Serial/Power)	1 (combined USB/Serial/Power)	1 (combined USB/Serial/Power)
Power	1 (combined USB/Serial/Power)	1 (combined USB/Serial/Power)	1 (combined USB/Serial/Power)	1 (combined USB/Serial/Power)
GSM: GPRS/CDMA		3.7G modem	3.7G modem	3.7G modem
Internal Radio	1 W	0.5 W & 1 W	0.5 W & 1 W	0.5 W & 1 W
	403 – 473 MHz	406 - 480 MHz	406 - 480 MHz	406 - 480 MHz
<b>Battery and Memory</b>				
Internal Memory	256 MB	No	No	4 GB
SD card support	Yes (micro SD)	Yes (Micro SD)	Yes (Micro SD)	Yes (Micro SD)
Battery Life (GSM Rover)	4.5 h	5 h	6 hrs	6.25 h
Battery Life (Radio Rover)	4 h	5 h	6 hrs	6 h
Battery Life (Radio Base)				5 h
Battery Life (Static)	6 h	7.5 h	9 hrs	8

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<b>Environmental</b>				
IP rating	67	68	68	68
Temperature	-30°C to 60°C (operating)	-40 to +65 (operating)	-40 to +65 (operating)	-40 to +65 (operating)
Shock	2 m pole drop	1 m direct drop, 2 m pole drop	1 m direct drop, 2 m pole drop	1 m direct drop, 2 m pole drop
Vibration		ISO9022-36-08	ISO9022-36-08	MIL
<b>Size and Weight</b>				
Antenna (kg)	1.2 kg incl. battery	1.2 kg including battery	1.2 kg including battery	1.2 kg including battery
Antenna dimensions	Ø 188 x 94 mm	Ø 198 x 95 mm	Ø 198 x 95 mm	Ø 161 x 131 mm
<b>System Concept</b> (Software and Hardware Support)				
Webserver	No	No	No	Yes (by WLAN)
Controller software	GeoMax FieldGenius, XPAD, ...	GeoMax FieldGenius, XPAD, ...	GeoMax FieldGenius, XPAD, ...	GeoMax FieldGenius, XPAD, ...
Controller Hardware	Various	Various	Various	Various
Office Software	GGO	GGO	GGO	GGO
Antenna MMI Functionality	RTK mode, Status, Power, Reset	RTK mode, Status, Power, Reset	RTK mode, Status, Power, Reset	RTK mode, Status, Power, Reset

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