


GNSS RTK RECEIVER

Update May 2021		STONEX	Leica Geosystems	Trimble	TOPCON	SOKKIA	GEOMAX	SPECTRA Precision	CHCNV	HI-TARGET	SOUTH	e-survey	KOLIDA	SANDING	RUIDE
															
MODEL	S850 new	GS16	R8c	HiPer VR	GRX3	Zenith35 Pro TAG	SP 60	173	IRT4	Galaxy G1 Plus IMU	E200	K5 IMU	T7	R90i plus	
CHANNELS	800	555	440	226	226	555	240	624	800	336/692	800	555	965	602	
BOARD	P40	NOV OEM719	TRI BD982	TOP Vanguard	TOP Vanguard	NOV OEM719	TRI			Trimble??		NOV			
SATELLITE SIGNALS TRACKED	GPS	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/L5	L1/L2/L5	L1/L2/L5	L1/L2/L5
	GLONASS	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	L1/L2/L3	L1/L2/L3	L1/L2/L3	L1/L2/L3
	BEIDOU	B1/B2/B3	B1/B2/B3	B1/B2/B3	B1/B2/B3	B1/B2/B3	B1/B2/B3	B1/B2/B3	B1/B2/B3	B1/B2/B3	B1/B2/B3	B1/B2/B3	B1/B2/B3	B1/B2/B3	B1/B2/B3
	GALILEO	E1/E5A/E5B/A/BOC/E6	E1/E5A/E5B/A/BOC/E6	E1/E5A/E5B	E1/E5A/E5B/A/BOC	E1/E5A/E5B/A/BOC	E1/E5A/E5B/A/BOC/E6	E1/E5B	E1/E5A/E5B	E1/E5A/E5B/A/BOC/E6	E1/E5A/E5B/A/BOC/E6	E1/E5A/E5B/A/BOC/E6	E1/E5A/E5B/A/BOC/E6	E1/E5A/E5B/A/BOC/E6	E1/E5A/E5B
	QZSS	L1/L2/L5	L1	L1/L2/L5	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5
	L-BAND	Atlas	TerraStar	NO	SkyBridge	SkyBridge	NO	RTX	NO	NO	RTX/NO	Atlas	NO	MSS	NO
IRNSS	LS	LS	NO	LS	LS	LS	NO	NO	NO	NO	LS	NO	LS	NO	
SBAS	v	v	v	v	v	v	v	v	v	v	v	v	v	v	
BRIDGING OF RTK OUTAGES	aRTK	SmartLink fill	NO	NO	NO	NO	NO	NO	NO	Hi-Fix	aRTK	NO	NO	NO	
ACCURACY	Static H	2.5mm ± 1 ppm	3mm ± 0.1 ppm	3mm ± 0.1 ppm	3mm ± 0.4 ppm	3mm ± 0.4 ppm	3mm ± 0.4 ppm	3mm ± 0.1 ppm	3mm ± 0.1 ppm	2.5mm ± 0.5 ppm	2.5mm ± 0.1 ppm	3mm ± 0.1 ppm	2.5mm ± 0.5 ppm	2.5mm ± 0.5 ppm	
	Static V	5mm ± 1 ppm	3.5mm ± 0.4 ppm	3.5mm ± 0.4 ppm	5mm ± 0.5 ppm	5mm ± 0.5 ppm	5mm ± 0.5 ppm	3.5mm ± 0.4 ppm	5mm ± 1 ppm	5mm ± 0.5 ppm	3.5mm ± 0.4 ppm	5mm ± 0.5 ppm	3.5mm ± 0.4 ppm	5mm ± 0.5 ppm	
	RTK H	8mm ± 1 ppm	8mm ± 1 ppm	8mm ± 1 ppm	8mm ± 1 ppm	8mm ± 1 ppm	8mm ± 1 ppm	8mm ± 1 ppm	8mm ± 1 ppm	8mm ± 1 ppm	8mm ± 1 ppm	8mm ± 1 ppm	8mm ± 1 ppm	8mm ± 1 ppm	
	RTK V	15mm ± 1 ppm	15mm ± 0.5 ppm	15mm ± 1 ppm	15mm ± 1 ppm	15mm ± 1 ppm	15mm ± 1 ppm	15mm ± 1 ppm	15mm ± 1 ppm	15mm ± 1 ppm	15mm ± 1 ppm	15mm ± 1 ppm	15mm ± 1 ppm	15mm ± 1 ppm	
RATE HZ	10-20	5-20	20	20	20	20	20	10	20	1-50	10-50	1-50	1-20	1-50	
MEMORY	8 Gb	8 Gb	56Mb	8Gb	8Gb	8Gb	256 Mb	8Gb	8Gb	8 Gb	8Gb	8 Gb	8 Gb	8 Gb	
BLUETOOTH	v	v	v	v	v	v	v	v	v	v	v	v	v	v	
WiFi	v	NO	NO	NO	NO	NO	NO	v	v	v	v	v	v	v	
WEB USER INTERFACE	v	NO	v	NO	NO	v	NO	v	v	v	v	v	v	v	
OS	Linux	NO	NO	NO	NO	v	NO	Linux	Linux	Linux	Linux	Linux	Linux	Linux	
RADIO INTEGRATED 410 - 470 MHz	v	v	v	v	v	v	v	v	v	v	RX only	v	v	v	
RADIO INTEGRATED 902.4 - 928 MHz	v	v	NO	v	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
GSM INTEGRATED	4G	3G	3G	4G	4G	3G	NO	4G	4G	4G	4G	4G	4G	4G	
DISPLAY INTEGRATED	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
NFC	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
E-BUBBLE	v	NO	NO	v	v	v	NO	NO	NO	v	NO	NO	v	NO	
E-COMPASS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
IMU	v	NO	NO	v	v	v	NO	v	v	v	v	v	v	v	
MAX TILT OPERATION	±60°	NO	NO	±15°	±15°	±30°	NO	±45°	±45°	±60°	±60°	±60°	±60°	±60°	
PORT FOR EXTERNAL ANTENNA	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
LPFS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
BATTERY CHANGE	NO	v	NO	NO	NO	v	NO	v	NO	v	NO	v	NO	v	
BATTERY CAPACITY (mAh)	6900	2600	2800			3400	2600	6800	6800	3400	6800	3400	6800	3400	
OPERATING TIME (HOURS) STD BATTERY	9	5	10	10	10	6	8	15	10	10	10	10	8	10	
NR. BATTERY	1	1	1	1	1	1	2	1	1	2	1	2	1	2	
HOT SWAP	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
MATERIAL	Magnesium	Polycarbonato	Magnesium	Magnesium	Magnesium	Magnesium	Plastic	Magnesium	Magnesium	Magnesium	Magnesium	Magnesium	Magnesium	Magnesium	
DIMENSION (mm)	140 x 140 x 71	190 x 90	190 x 104	150 x 150 x 100	150 x 150 x 100	151 x 131	210 x 70	119 x 119 x 85	156 x 77	135 x 125	152 x 92	175 x 175 x 83	135 x 135 x 85	175 x 83	
WEIGHT	1100g	1050g	1520g	1150g	1150g	1300g	930g	730g	1200g	1300g	1330g	1330g	970g	1330g	
IP	67	68	67	67	67	68	67	67	68	67	67	67	68	67	
MIL	NO	STD-810G	STD-810F	NO	NO	STD-810G	STD-810F	NO	NO	NO	NO	NO	NO	NO	
OPERATING TEMPERATURE	-40° + 65°	-40° + 65°	-40° + 65°	-40° + 65°	-40° + 65°	-40° + 65°	-40° + 65°	-40° + 65°	-30° + 70°	-40° + 65°	-40° + 65°	-45° + 65°	-45° + 70°	-45° + 60°	
CONTROLLER	Win Mobile	NO	CS20	TSC3	Allegro 2	S-10 TESLA	Zenius5	Ranger 3 T41	NO	NO	X11 Pro	NO	X11 Pro T17N	X11 T17	X11 Pro
	Win 10	UT20 SRT10W	CS30 CS35	TSC7 T10	FC-6000	SHC-6000	NO	Ranger 7	NO	NO	NO	UT20	NO	NO	
	Android	UT12P UT12/570 SHSA	NO	TDC600 TSC5	NO	NO	ZeniusX Zenius800	MobileMapper 60	HCE320 LT700	iHand30	H3PPlus N80	UT12P UT12 P8H	H3PPlus N80	X3 Plus HS	H3Plus N80
SOFTWARE	Win Mobile	FieldGenius SurvCE	Captivate	Access	Magnet	GeoPro Field	X-PAD FieldGenius SurvCE	Survey Pro Fast Survey	NO	NO	FieldGenius	FieldGenius SurvCE	FieldGenius	FieldGenius	FieldGenius
	Win 10	FieldGenius SurvCE	Captivate	Access	Magnet	GeoPro Field	FieldGenius SurvCE	Survey Pro Fast Survey	NO	NO	NO	FieldGenius SurvCE	FieldGenius	FieldGenius	SurvCE
	Android	Cube-a FieldGenius	NO	Access	NO	GeoPro Field	X-PAD	Survey Mobile	LandStar7	Hi-Survey Road	SurvX	SurvPad	SurvX	SurvX	SurvX
SOFTWARE POST PROCESSING	Cube-manager-p	LGO	TBC	Magnet Tools	Magnet Office	GGO / X-PAD Fusion	SPSO	CGO2	HBC	STC	GEOSolution	Total Control	SGO	Geo Office	
WARRANTY	2 years	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	2 years	1 year	1 year	1 year	
PRESENTATION	2021	2016	2017	2018	2019	2017	2016	2020	2020	2021	2020	2021	2020	2020	
END USER PRICE BUNDLE															
Included Receiver, Controller, Software for Controller, Pole															

Legend  