













GNSS CORS AND HEADING

UPDATE DECEMBER 2020									
									
MODEL		SC600A	GM-30	MPS865	SP90m	MR2	AsterX-SB	P2 ELITE	NET S9
CHANNELS		1100	555	480	480	226	448	336	692
BOARD		HEM VEGA28	NOV OEM729	TRI	SPE	TOP	SEP	TRI	
SIGNALS TRACKING	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
	GLONASS	L1/L2/L3	L1/L2/L3	L1/L2/L3	L1/L2/L3	L1/L2/L3	L1/L2/L5	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
	GALILEO	E1/ESA/ESB/E6	E1/ESA/ESB/E6	E1/ESA/ESB/E6	E1/ESA/ESB/E6	E1/ESA/ESB/E5	E1/ESA/ESB/E5	E1/ESA/ESB/E6	E1/ESA/ESB/E5
	QZSS	L1/L2C/L5/L6	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5
	IRNSS	L5	L5	L5	L5	NO	L5	L5	L5
	L-BAND SBAS	Atlas	V	V	RTX	V	V	V	V
BRIDGING OF RTK OUTAGES	aRTK	NO	NO	NO	NO	NO	NO	NO	
ACCURACY	Static H	3mm ± 0.5 ppm	6mm ± 1 ppm	3mm ± 0.1 ppm	3mm ± 0.1 ppm	3mm ± 0.5 ppm		NO	2.5mm ± 0.1 ppm
	Static V	5mm ± 0.5 ppm	10mm ± 1 ppm	3.5mm ± 0.4 ppm	3.5mm ± 0.4 ppm	5mm ± 0.8 ppm		NO	3.5mm ± 0.4 ppm
	RTK H	8mm ± 1 ppm	8mm ± 1 ppm	8mm ± 0.5 ppm	8mm ± 0.5 ppm	5mm ± 0.5 ppm	6mm ± 0.5 ppm	8mm ± 1 ppm	8mm ± 0.5 ppm
	RTK V	15mm ± 1 ppm	15mm ± 1 ppm	15mm ± 0.5 ppm	15mm ± 0.5 ppm	10mm ± 0.8 ppm	10mm ± 1 ppm	15mm ± 1 ppm	15mm ± 0.5 ppm
	1m BASELINE	0.08 degrees	NO	NO	NO	NO	NO	0.15 degrees	NO
HEADING ACCURACY	2m BASELINE	0.04 degrees	NO	0.09 degrees	0.09 degrees	0.3 degrees	NO	0.10 degrees	NO
	5m BASELINE	0.02 degrees	NO	0.05 degrees	0.05 degrees	0.3 degrees	NO	0.02 degrees	NO
	10m BASELINE	0.02 degrees	NO	0.02 degrees	0.02 degrees	NO	NO	NO	NO
RATE HZ	10 (20Hz, 50Hz optional)	50Hz	50Hz	50Hz	20 (100Hz optional)	100Hz	20 (50Hz optional)	50Hz	
UHF RADIO INTEGRATED	410 - 470 MHz	V	Optionale	V	V	NO	NO	V	NO
	902.4 - 928 MHz	V	NO	NO	NO	NO	NO	NO	NO
GSM INTEGRATED	4G	Optionale	3G	3G	NO	NO	4G	NO	
EMBEDDED OPERATING SYSTEM	LINUX	NO	LINUX	LINUX	NO	LINUX	LINUX	LINUX	
WEB USER INTERFACE	V	V	V	V	NO	V	V	V	
MEMORY	8 GB	8 GB	8 GB	8 GB	8 GB	16 GB	32 GB	8 GB	
EXTERNAL MEMORY	32 GB	NO	NO LIMIT	NO LIMIT	NO	NO	NO	32 GB	
STORAGE	PROPRIETARY FORMAT	V	V	V	V	V	V	V	V
	RINEX	V	V	V	V	V	V	V	V
	RINEX COMPRESSED	V	V	V	V	V	V	V	NO
	BINEX	V	V	V	V	V	V	V	V
	SUBDIVISION MEMORY	V	V	V	V	V	V	V	V
	SIMULTANEOUS SESSIONS	5+	12				2		
DISPLAY	NO	NO	V	V	NO	NO	NO	V	
POWER CONSUMPTION	4.2W	3.5 W	12.8 W	12.8 W	10.0 W	1.5 W	6.5 W	3.8 W	
VOLTAGE	12-28V	10.5-28V	9-36V	9-36V	9-36V	4.5-36V	9-36V	9-28V	
INTEGRATED BATTERY	NO	NO	V	V	NO	NO	V	V	
POWER PORT	1	2	1	1	1	1	1	3	
POWER ON ETHERNET (PoE)	NO	NO	NO	NO	NO	V	NO	NO	
CONNECTIONS	SERIAL	3	1	3	3	3	3	2	1
	USB	1	1	1	1	NO	2	NO	2
	WIFI	V	NO	V	V	NO	V	V	V
	BLUETOOTH	V	NO	V	V	NO	V	V	V
	ETHERNET	V	V	V	V	V	V	V	V
	GNSS ANTENNA	2	V	2	2	2	1	2	1
EMAIL ALERT	V	V	V	V	V	V	V	V	
INPUT-OUTPUT	PPS OUTPUT	V	NO	V	V	V	V	V	V
	EVENT INPUT	V	NO	V	V	NO	V	NO	V
	OSC	NO	V	NO	NO	NO	NO	NO	V
	SENSOR SUPPORT	V	V	V	V	V	V	V	V
ETHERNET	SOCKET	5	V						
	DHCP	V	V	V	V	V	V	V	V
	AUTHENTICATION	V	V	V	V	V	V	V	V
	HTTPS	NO	V	V	V	V	V	V	V
FTP PUSH	V	V	V	V	NO	V	V	V	
DYN DNS	V	V	V	V	NO	V	V	NO	
NTRIP	CLIENT	V	V	V	V	V	V	V	V
	CASTER	V	V	V	V	V	V	V	V
	SERVER	V	V	V	V	V	V	V	V
PROXY SUPPORT	V	V	V	V	V	V	V	V	
WEIGHT	550 gr	1670 gr	1700 gr	1700 gr	950 gr	460 gr	1200 gr	2280 gr	
DIMENSION	150 x 105 x 34 mm	220 x 200 x 94 mm	206 x 165 x 65 mm	206 x 165 x 65 mm	172 x 166 x 49 mm	102 x 111 x 36 mm	162 X 120 X 53 mm	216 X 178 X 72 mm	
IP	67	67	67	67	67	68	67	67	
MIL	NO	MIL-STD-810G	MIL-STD-810F	MIL-STD-810F	NO	MIL-STD-810G	MIL-STD-810G	NO	
OPERATING TEMPERATURE	-30° + 65°	-40° + 65°	-40° + 65°	-40° + 65°	-40° + 75°	-30° + 65°	-40° + 75°	-40° + 85°	
ANTENNA	ANTENNA CONNECTOR	TNC	TNC	TNC	TNC	TNC	TNC	TNC	
	CHOKE RING	SA1800 - SA1500	AR25 - AR20	GNSS - TI - v2	CHOKE RING	CR-G5	PolaNt	C220GR2	CR3 G3
	GEODETIC	SA3G+C - SA45 - SA65	AR-10	ZEPHYR GEODETIC 3	SPGA	G5-A1	PolaNt-x	AT661 - AT312	
SOFTWARE NETWORK	Cube-net - Geo++	SPIDERNET	VRS3Net	TOPNet	Geo++	CPS GNSS Network			
SOFTWARE MONITORING	Cube-h24	Geomos	4D Control	NO	Delta Sat	NO	NO	SMOS	
PRESENTATION	2020	2016	2018	2017	2016	2019	2020	2019	

Legend	 Competitor is worst
	 Competitor is better