



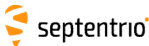









GNSS CORS

Update October 2021							
							
MODEL		SC400A	GM-30	NetR9	MR2	AsteRx-SB	PwrPak7
CHANNELS		800	555	440	226	448	555
BOARD		HEMISPHERE P20	NOVATEL	TRIMBLE	TOPCON	SEPTENTRIO	NOVATEL
SIGNALS TRACKING	GPS	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/L5	L1/L2/L3
	BEIDOU	B1/B2/B3	B1/B2/B3	B1/B2/B3	B1/B2	B1/B2/B3	B1/B2/B3
	GALILEO	E1/E5A/E5B/E6	E1/E5A/E5B/E6	E1/E5A/E5B/E5	E1/E5A/E5B/E5	E1/E5A/E5B/E5	E1/E5A/E5B/E6
	QZSS	L1/L2C/L5/L6	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5	L1/L2C/L5/L6
	IRNSS	L5*	L5*	L5	NO	L5	L5*
	L-BAND	Atlas	NO	RTX	NO	√	Terrastar
SBAS	√	√	√	√	√	√	
BRIDGING OF RTK OUTAGES		aRTK	NO	NO	NO	NO	NO
ACCURACY	Static H	3mm ± 0.1 ppm	6mm ± 1 ppm	3mm ± 0.1 ppm	3mm ± 0.5 ppm	N/A	N/A
	Static V	3.5mm ± 0.4 ppm	10mm ± 1 ppm	3.5mm ± 0.4 ppm	5mm ± 0.8 ppm	N/A	N/A
	RTK H	8mm ± 1 ppm	8mm ± 1 ppm	8mm ± 1 ppm	5mm ± 0.5 ppm	6mm ± 0.5 ppm	10mm ± 1 ppm
	RTK V	15mm ± 1 ppm	15mm ± 1 ppm	15mm ± 1 ppm	10mm ± 0.8 ppm	10mm ± 1 ppm	15mm ± 1 ppm
RATE HZ	10 (20Hz, 50Hz optional)	50Hz	50Hz	20 (100Hz optional)	100Hz	100Hz	100Hz
UHF RADIO INTEGRATED	410 - 470 MHz	NO	Opzionale	NO	NO	NO	NO
	902.4 - 928 MHz	NO	Opzionale	NO	NO	NO	NO
GSM INTEGRATED		NO	Opzionale	NO	NO	NO	NO
EMBEDDED OPERATING SYSTEM		LINUX	NO	N/A	NO	LINUX	N/A
WEB USER INTERFACE		√	√	√	NO	√	√
MEMORY		32GB	8 GB	8 GB	8 GB	16 GB	16 GB
EXTERNAL MEMORY		NO	NO	1TB	NO	NO	NO
STORAGE	PROPRIETARY FORMAT	√	√	√	√	√	√
	RINEX	√	√	√	N/A	N/A	N/A
	RINEX COMPRESSED	√	√	√	N/A	N/A	N/A
	BINEX	√	√	√	N/A	N/A	N/A
	SUBDIVISION MEMORY	√	√	√	N/A	N/A	N/A
SIMULTANEOUS SESSIONS		√	√	√	N/A	√	N/A
DISPLAY		NO	NO	√	NO	NO	NO
POWER CONSUMPTION		4.2W	3.5 W	3.8W	10.0 W	1.5 W	3.25W
VOLTAGE		8-36V	10.5-28V	9.5-28V	9-36V	4.5-36V	9-36V
INTEGRATED BATTERY		NO	NO	7800 mAh	NO	NO	NO
OPERATING TIME WITH INTERNAL BATTERY		NO	NO	15 hours	NO	NO	NO
POWER PORT		1	1	1	1	1	1
POWER ON ETHERNET (PoE)		NO	NO	√	NO	√	NO
CONNECTIONS	SERIAL	1	1	3	3	3	3
	USB	1	1	1	NO	2	2
	WIFI	√	NO	NO	NO	√	√
	BLUETOOTH	√	NO	√	NO	√	√
	ETHERNET	√	√	√	√	√	√
GNSS ANTENNA		1	1	1	2	1	1
EMAIL ALERT		√	√	√	N/A	N/A	NO
INPUT-OUTPUT	PPS OUTPUT	NO	NO	√	√	√	√
	EVENT INPUT	NO	NO	√	NO	√	√
	OSC	NO	√	NO	NO	NO	NO
	SENSOR SUPPORT	√	√	√	N/A	N/A	√
ETHERNET	SOCKET	√	√	√	N/A	N/A	N/A
	DHCP	√	N/A	N/A	N/A	N/A	N/A
	AUTHENTICATION	√	√	√	N/A	N/A	N/A
	HTTPS	NO	√	√	N/A	N/A	N/A
FTP PUSH		√	√	√	N/A	√	N/A
DYN DNS		√	N/A	N/A	NO	N/A	N/A
NTRIP	CLIENT	√	√	√	N/A	√	√
	CASTER	√	√	√	N/A	√	N/A
	SERVER	√	√	√	N/A	√	√
PROXY SUPPORT		√	N/A	√	N/A	N/A	N/A
WEIGHT (g)		425	1670 g	1750	950	460	500
DIMENSION (mm)		131 x 97 x 37	220 x 200 x 94 mm	265 x 130 x 55	172 x 166 x 49	102 x 111 x 36	147 x 125 x 55
IP		67	67	67	67	68	67
MIL		NO	MIL-STD-810G	MIL-STD-810F	NO	MIL-STD-810G	MIL-STD-810G
OPERATING TEMPERATURE		-45° + 65°	-40° + 65°	-40° + 65°	-40° + 75°	-30° + 65°	-40° + 75°
ANTENNA	ANTENNA CONNECTOR	TNC	TNC	TNC	TNC	TNC	TNC
	CHOKE RING	SA1800 - SA1500 SA1200 SA1000	AR25 - AR20	GNSS - Ti	CR-G5	PolaNt	GNSS-750
	GEODETIC	SA3G+C - SA65	AR-10	ZEPHYR 3 GEODETIC	G5-A1	PolaNt-x	GNSS-850
SOFTWARE NETWORK		Cube-net - Geo++	SPIDERNET	VRS3Net	TOPNet	Geo++	NO
SOFTWARE MONITORING		Cube-h24	Geomos	4D Control	Delta Sat	NO	NO
PRESENTATION		2021	2016	2017	2016	2019	2016

Legend	 	Competitor is worst
	 	Competitor is better