STONEX

SC400A GNSS Receiver

GNSS CORS
Receiver

suite
cube

SC400A TECHNICAL FEATURES

RECEIVER

Satellite signal tracked	GPS: L1 C/A, L1C, L1P, L2C, L2P, L5
	GLONASS: L1, L2, L3
	BEIDOU: B1, B2, B3, ACEBOC
	GALILEO: E1, ALTBOC, E5a, E5b, E6
	QZSS: L1 C/A, L1C, L2C, L5, LEX
	IRNSS: L5[1]
	SBAS
L-Band	Atlas H10 / H30 / Basic (optional)
Channels	800
Position Rate	10 Hz, optional 20 Hz
Signal Reacquisition	< 1 sec
Cold Start	Typically 60 sec
Hot Start	Typically 10 sec
Internal Memory	32 GB Multi storage sessions
Interference Mitigation Technology	Yes

POSITIONING[2]

HIGH PRECISION STATIC SURVEYING	
Horizontal	3 mm + 0.1ppm RMS
Vertical	3.5 mm + 0.4 ppm RMS
CODE DIFFERENTIAL POSITIONING	
Horizontal	0.25 m RMS
Vertical	0.45 m RMS
SBAS POSITIONING[3]	
Horizontal	0.50 m RMS
Vertical	0.85 m RMS
REAL TIME KINEMATIC (< 30 Km) – NETWORK SURVEYING[4]	
Fixed RTK Horizontal	8 mm + 1 ppm RMS
Fixed RTK Vertical	15 mm + 1 ppm RMS

USER INTERFACE

Button	1 for reset receiver
LEDs	Power, satellite, datalink, storage

SYSTEM CONFIGURATION

Operating System	Linux

COMMUNICATION

I/O Connectors	Power port, Lemo connector 1 Serial port, DB9 Ethernet port, RJ45 100/1000 Mbps GNSS antenna, TNC female
Bluetooth	5.0 + EDR
Wi-Fi	802.11 b/g/n/ac
Web UI	To upgrade the software, manage the status and settings, data download, etc. via smart phone, tablet or other internet enabled electronic device
Reference outputs	RTCM 2.x, 3.x CMR, CMR+, RINEX, BINEX
Navigation outputs	GGA, GSA, GSV, ZDA, RMC, VTG, GST, GLL, HDT, FVI, HPR, KSXT, ATTSTAT, RTKSTAT, VCT, RD1, GGA2, BIN3, BIN5, BIN209

NETWORKING SERVICES

NTRIP	Caster/Server/Client
Remote Management	By Stonex Software
FTP server	For data download
Email alerts	For low storage and other warning messages
NTP server	Support
Others	DDNS, VPN, SNMPD, Firewall

POWER SUPPLY

Voltage	8 to 36 VDC external power input
Port	Lemo 2 pin

PHYSICAL SPECIFICATION

Dimensions	131 mm x 97 mm x 37 mm
Weight	435g
Operating Temperature	-30°C to 65°C (-22°F to 149°F)
Storage Temperature	-45°C to 80°C (-49°F to 176°F)
Waterproof/Dustproof	IP67
Shock Resistance	Designed to endure to 2m drop on concrete floor with no damage

1. It is possible to trace the IRNSS signal with Firmware update.
2. Accuracy and reliability are generally subject to satellite geometry (DOPs), multipath, atmospheric conditions and obstructions. In static mode they are subject even to occupation times: the longer is the Baseline, the longer must be the occupation time.
3. Depends on SBAS system performance.
4. Network RTK precision depends on the network performances and are referenced to the closest physical base station.

Illustrations, descriptions and technical specifications are not binding and may change

TECH4MAPS
Solutions cartographiques

STONEX AUTHORIZED DEALER

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