SATLAB
GEOSOLUTIONS

SLX-1
Multi-application
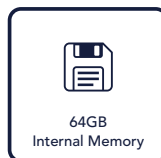## GNSS Receiver

ISO 9001 CERTIFIED CE

UNLOCK 00-00
0
192.168.0.200
web port : 80

Made by Sweden

SLX-1 multi-application GNSS receiver has military-grade environmental housing with a built-in firewall and data encryption designed primarily for CORS applications. Using the world's latest multi-frequency technology, powered by a new generation GNSS engine, this receiver can better track all constellations and signals as a reference station solution for accurate satellite readings.

Key Features

Multi-Constellation Tracking	Multiple Applications	64GB Internal Memory	4G Modem	Long Battery Life
Mutiple Transfer Data Transfer	Linux OS On Board	Multiple Tasking	Highly Precise GNSS Data	Professional Support Network

Efficient and Dependable

Powered by a new-generation GNSS engine, this receiver offers precise positioning and advanced interference mitigation. It performs even in the most remote or challenging environments. Its 1408-channel tracking capabilities can track all current and upcoming signals, offering precise positioning from sub-meter to centimeter.

Delivering Highly Accurate and Reliable Data

Designed with simplicity, the SLX-1 performs multiple tasks simultaneously to make your field work easier and more efficient. This receiver can continuously track and record all satellite data while allowing you to download recorded data, stream or transmit different forms of correction data.

Applications

- **Land Surveying**
- **Utilities**
- **Infrastructure**
- **Topography and As-built**

- **Deformation Monitoring**
- **Hydrography**
- **Reference Station**
- **Seismic Monitoring**

TECHNICAL SUPPORT

Satlab offers online resources and a professional support network available worldwide.

SLX-1 Multi-application GNSS Receiver

Data Specifications

GNSS

Frequency	GPS: L1C/A, L1C, L2P(Y), L2C, L5
	BDS: B1I, B2I, B3I, B1C, B2a, B2b
	GLONASS: G1, G2, G3
	Galileo: E1, E5a, E5b, E6
	QZSS: L1C/A, L1C, L2C, L5, L6
	NavIC: L5
	SBAS: L1C/A
No. of Channels	1408

ME ASUREMENT PERFORMANCE

Real-time Kinematic	H: 8mm + 1ppm RMS / V: 15mm + 1ppm RMS
Network RTK	H: 8 mm + 0.5 ppm RMS / V: 15 mm + 0.5 ppm RMS
High-precision Static	H: 2.5 mm + 0.1 ppm RMS / V: 3.5 mm + 0.4 ppm RMS
Static and Fast Static	H: 2.5 mm + 0.5 ppm RMS / V: 5 mm + 0.5 ppm RMS
DGPS Position Accuracy	H: 25 cm RMS / V: 50 cm RMS
SBAS Position Accuracy	H: 50 cm RMS / V: 85 cm RMS
Code Differential	DGPS/RTCM
Initializing Time	< 10s
Initializing Reliability	99.9%

EXTERNALRADIO(optional)

**Frequency	Working Range Transmitting Power**	403MHz~473MHz
	1-4 W , Support HI-TARGET, TRIMTALK450S,
	TRIMMARK III, TRANSEOT, SATEL-3AS, etc..

COMMUNICATIONS

	Internal 4 G Mobile Network TDD-LTE/FDD-LTE/WCDMA/GPRS/GSM NTRIP,HTTP,HTIP,FTP Enabled /CDMA
Communication Ports	Bluetooth: V2.1 + EDR, NFC
Operation	Web-client management via Ethernet, Wi-FI

SYSTEM

I/O Interface	3 X RS232 serial port, 2 X USB port, 1 X 485 port
	1 X Ethernet port(RJ -45), 1 X WiFi Host(802.11b/g/n)
	2 X SMA port(1 for PPS and 1 for 3G modem antenna)
	2 X TNC port
Data Storage	Internal Memory 64GB + TF card/USB extension
	External Memory 1TB
User Interface	4 X physical buttons 4 X LED lamps,OLED display, 128 X 64 pixels

DATA MANAGEMENT

	Up to 50Hz
	CMR,RTCM2.X,RTCM3.X,Rinex,NMEAoutput

GENERAL

Environmental	IP67 environmental protection
	Waterproof to 1m (3.28ft) dept Temporary Submersion
	Humidity: 100%
	Shock resistant body to 2 m (6.5ft) pole drop
Temperature	-40°C to 75°C Operating
	-40°C to 80°C Storage
Physical Properties	Shock and vibration: MIL-STD-810G -Method510.5 -Procedure I
	Vibration:MIL-STD-810G-Method Figure514.6C-1and Table 514.6C-II
	Immersion:MIL-STD-810G,Method 512.5-ProcedureI
	Size: 225mm x 138mm x 70mm
	Weight: 2.48kg
	Battery: Internal 12500mAh lithium battery(Solar and Electric Main)
	Battery Life: 24h continuous operation(depends on configuration