

SLX-1

Multi-application GNSS Receiver



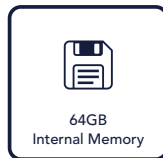
CE



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



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 1480-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.

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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 NavIC: L5 SBAS: L1C/A
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No. of Channels	1408
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MEASUREMENT 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%

EXTERNAL RADIO^(optional)	403MHz~473MHz
Frequency Working Range	1-4 W , Support HI-TARGET, TRIMTALK450S,
Transmitting Power	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	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
I/O Interface	
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
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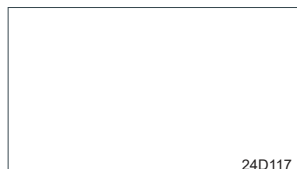
GENERAL Environmental	IP67 environmental protection Waterproof to 1m (3.28ft) dept Temporary Submersion Humidity: 100% Shock resistant body to 2 m (6.5ft) pole drop Temperature -40°C to 75°C Operating -40°C to 80°C Storage
Physical Properties	Shock and vibration: MIL-STD-810G -Method510.5 -Procedure 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)



Headquarters:
GEOSOLUTION I GÖTEBORG AB
Stora Ävägen 21, 436 34 ASKIM,
Sweden

Regional Offices:
Warsaw, Poland
Jičín, Czech Republic
Ankara, Turkey
Scottsdale, USA
Singapore
Hong Kong, China
Dubai, UAE

www.satlab.com.se



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