

SLX-1

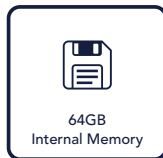
Multi-application GNSS Receiver



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 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
NavIC: L5
SBAS: L1C/A

No. of Channels

1408

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

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)



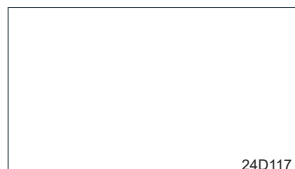
Headquarters:

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



24D117