SLX1-NG Multi-application GNSS Receiver

Data Specifications

GNSS

Signal Tracking	GPS (L1C/A, L1C, L2C, L2P, L5) GLONASS[1] (L1C/A, L2C/A, L2P, L3, L5) BeiDou[2] (B1, B2, B3) Galileo[3] (E1, E5 AltBOC, E5A, E5B, E6) IRNSS (L5) QZSS (L1C/A, L1C, L2C, L5, L6) SBAS (L1, L5) L-Band (up to 5 channels) TerraStar®
Positioning Output	1 - 100Hz[4]
No. of Channels	555

HORIZONTAL POSITION ACCURACY (RMS)

Single Point L1	1.5m
Single Point L1/L2	1.2m
SBAS	0.6m
DGPS	0.4m
Real-time Kinematic	H: 8mm + 1ppm / V: 15mm + 1ppm
Static	H: 2.5mm + 0.5ppm / V: 5mm + 0.5ppm
Initialization Time	<10s
Initialization Reliability	99.9%

SYSTEM

Internal Memory	64GB
External Memory	1TB
Interface	3 x RS232, USB, Bluetooth, Wi-Fi, 4G, Ethernet, PPS output, RS485/RS422 (optional)

DATA MANAGEMENT

RTCM 2.1, 2.3, 3.0, 3.2
CMR, CMR+, RTCA, NovAtelx
Interactive web content management system
LCD, LED, key operating system

GENERAL

Environmental	IP67 environmental protection Shock resistant body to 1m (3.28ft) drop Temperature -40°C to 75°C Operating -40°C to 80°C Storage
Physical Properties	Size: 225mm x 138mm x 70mm Weight: 2.48kg Power: 7VDC ~ 36VDC (2-way) Battery Life: 24h continuous operation (depends on configuration)

Note

[1] Hardware ready for L3 and L5
[2] Designed for BeiDou phase 2 and 3, B1 and B2 compatibility. B3 conditionally supported and subject to change.
[3] E1bc support only. Hardware ready for E6bc
[4] Optional

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SATLAB GEOSOLUTIONS

SLX1-NG

Multi-application GNSS Receiver

Made by Sweden

The SLX1-NG multi-application GNSS receiver has a military grade environmental housing that features a built-in firewall and data encryption designed primarily for CORS applications. Using the world's latest multi-frequency technology, powered by NovAtel OEM729 GNSS engine, this receiver is capable of superior tracking of all constellations and signals as a reference station solution for accurate satellite readings.

Swedish Quality

Mutiple Transfer Data Transfer

Linux OS On Board

Multiple Tasking

Highly Precise GNSS Data

Delivering highly accurate and reliable data

Designed with simplicity, the SLX1-NG 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
- Topography and As-built
- Utilities
- Infrastructure
- Deformation Monitoring Solutions
- Seismic Monitoring
- Hydrographic Application
- Reference Station

TECHNICAL SUPPORT

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

Efficient and dependable

Powered by NovAtel OEM729 GNSS engine, this receiver offers precise positioning and advanced interference mitigation which performs even in the most remote or challenging environments. Using its 555 channel tracking capabilities, it is able to track all current and upcoming signals, offering sub-metre to centimetre precise positioning.

Satellite correction service

The SLX1-NG has TerraStar capabilities that use a global network of multi-GNSS reference stations and advanced algorithms to generate highly precise GNSS satellite orbit, clock, biases, and other system parameters. These data allow TerraStar to provide correction services with sub-metre or centimetre-level positioning accuracy to SLX1-NG receivers. Get your corrections transmitted in real-time, with minimal latency via satellites and cellular networks worldwide.

Multi-Constellation Tracking

Multiple Applications

64GB Internal Memory

4G Modem

Long Battery Life

Professional Support Network