

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 [®] 1 - 100Hz ⁴
Positioning Output	

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, NovAtel [®] 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

¹Hardware ready for L3 and L5
²Designed for BeiDou phase 2 and 3, B1 and B2 compatibility, B3 conditionally supported and subject to change.
³E5bc support only. Hardware ready for E6bc.
⁴Optional

SLX1-NG

Multi-application GNSS Receiver



Headquarters:
Datavägen 21B
SE-436 32 Askim, Sweden
info@satlabgps.com

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

www.satlab.com.se



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



Multiple 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

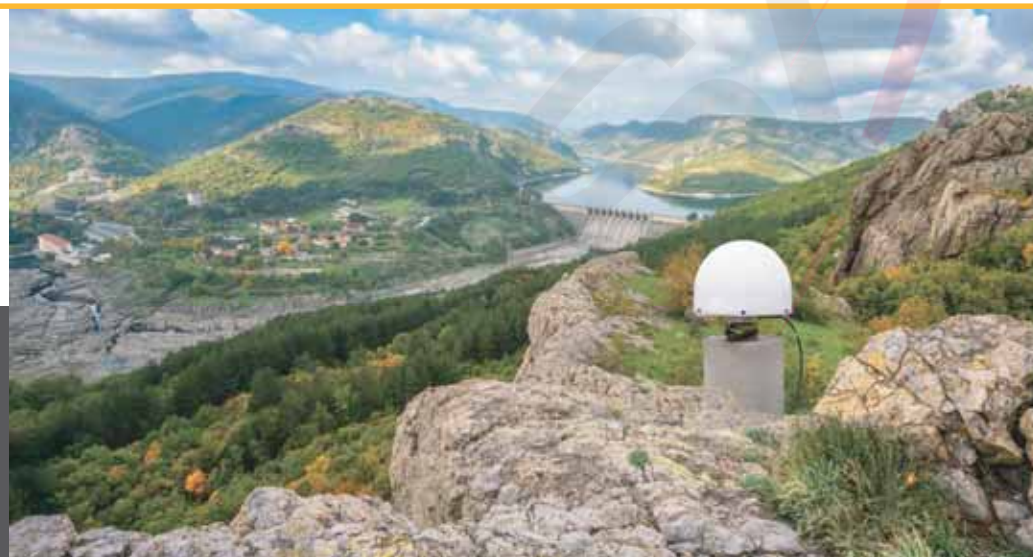
Satlab offers online resources and a professional support network available worldwide.

Efficient and dependable

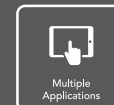
Powered by NovAtel OEM729 GNSS engine, this receiver offers precise positioning and advanced interference mitigation which performs even in the most remote or challenging environments. Using its 555 channel tracking capabilities, it is able to track all current and upcoming signals, offering sub-metre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