

# SLX-1 Multi-application GNSS Receiver



## Data Specifications

### GNSS

#### Signal Tracking

GPS (L1C/A, L2E, L2C, L5)  
BeiDou (B1, B2, B3<sup>1</sup>)  
GLONASS (L1C/A, L1P, L2C/A, L3 CDMA<sup>2</sup>)  
Galileo<sup>3</sup> (E1, E5A, E5B, E5AltBOC, E6<sup>4</sup>)  
IRNSS (L5)  
QZSS (L1 C/A, L2C, L5)  
SBAS (L1C/A, L5 QZSS, WAAS, MSAS, GAGAN, EGNOS)  
L-Band: OmniSTAR, Trimble RTX (optional)

#### No. of Channels

336

### HORIZONTAL POSITION ACCURACY (RMS)

#### Single Point L1

1.5m

#### Single Point L1/L2

1.2m

#### SBAS

H: 50cm RMS / V: 85cm RMS

#### DGPS

H: 25cm RMS / V: 50cm RMS

#### Real-time Kinematic

H: 8mm + 1ppm / V: 15mm + 1ppm

#### Static

H: 2.5mm + 0.5ppm / V: 5mm + 0.5ppm

#### Initialization Time

2-10s

#### 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

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

<sup>1</sup> Hardware ready for L3 and L5

<sup>2</sup> Designed for BeiDou phase 2 and 3, B1 and B2 compatibility, B3 conditionally supported and subject to change.

<sup>3</sup> E1bc support only, Hardware ready for E6bc

<sup>4</sup> Optional

# SLX-1

## Multi-application GNSS Receiver



 Made by Sweden

14 Odem ST. P.O.B. 7042 Petach Tikva 4917001, ISRAEL | Office: +972-3-924-3352  
Fax: +972-3-9243385 | sales@hypertech.co.il | www.hypertech.co.il

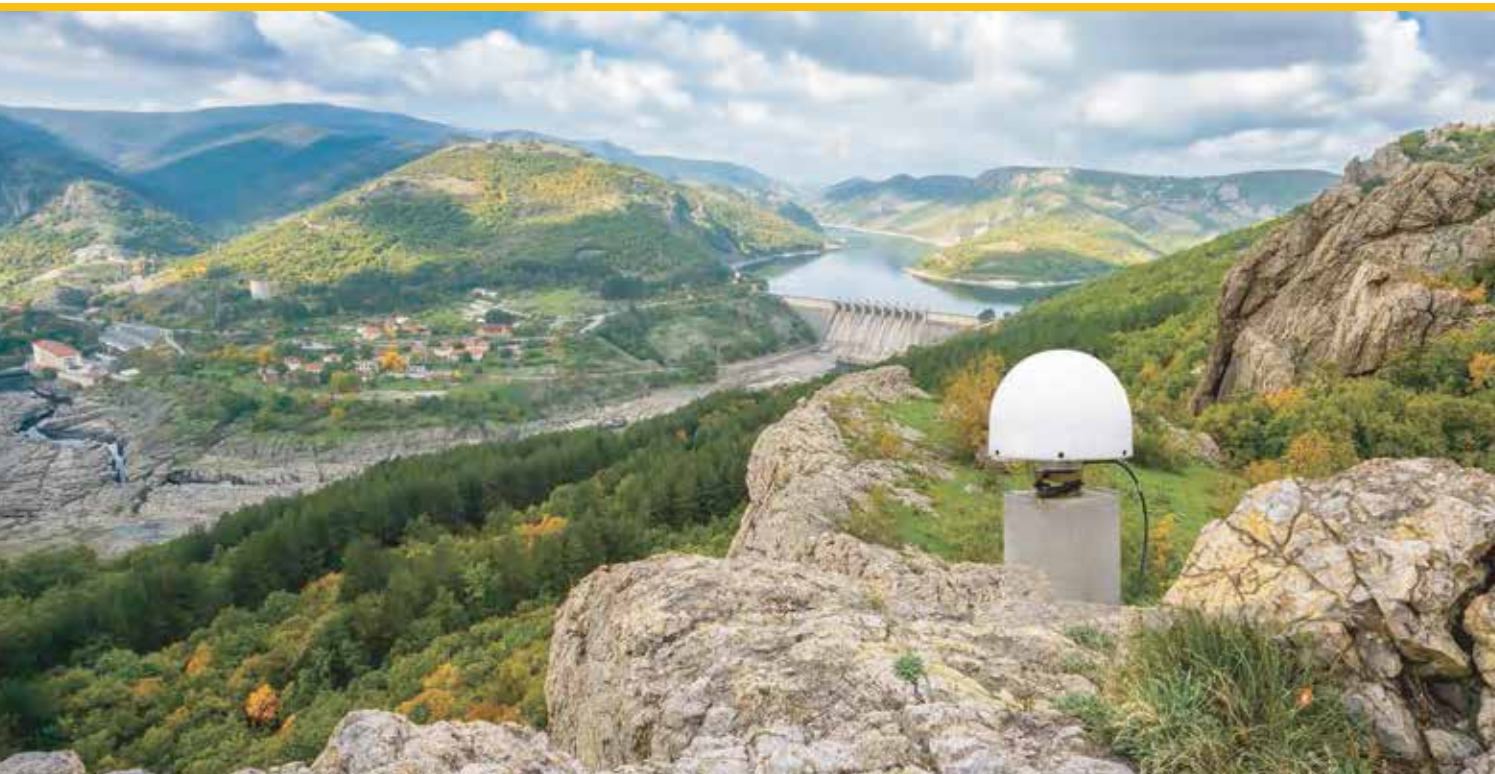


The SLX-1 multi-application GNSS receiver has a military grade environmental housing that features a built-in firewall and data encryption designed primarily for CORS applications. Using the world’s latest multi-frequency technology, powered by Trimble BD990 GNSS engine, this receiver is capable of superior tracking of all constellations and signals as a reference station solution for accurate satellite readings.



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
- 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 Trimble BD990 GNSS engine, this receiver offers precise positioning and advanced interference mitigation which performs even in the most remote or challenging environments. Using its 336 channel tracking capabilities, it can track all current and upcoming signals, offering sub-metre to centimetre precise positioning with different modes (RTK, PPK, Static).

Satellite correction service

The SLX-1 has RTX 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 RTX to provide correction services with sub-metre or centimetre-level positioning accuracy to SLX-1 receivers. Get your corrections transmitted in real-time, with minimal latency via satellites and cellular networks worldwide.

