

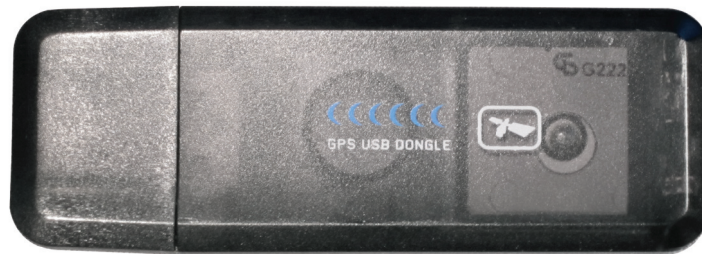
ND-100S

GPS Receiver

- SiRF Star III Chipset
- 20-Channel All-In-View Tracking
- NMEA 0183
- WAAS / EGNOS Support
- 2.6" x 0.9" x 0.4"
- Compact Portable Size
- Built-In GPS Patch Antenna
- Compatible With: WIN/MAC/LINUX
- USB 2.0



The ND-100S USB GPS dongle is a highly sensitive GPS receiver that is ideally suited for use with laptops, notebooks, tablets and UMPC devices. Low power consumption and a highly sensitive built-in GPS antenna makes acquiring even the weakest of satellite signals not a problem for the ND-100S. Satellite-based augmentation systems, such as WAAS and EGNOS are also supported for even greater accuracy. Drivers for Windows, Mac and Linux are included to convert the USB port into a virtual COM port making the GPS NMEA data fully compatible with applications such as street navigation, or data collection.



USB GPS Receiver

General Specifications

GPS Chipset.....SiRF Star III GPS Chipset
 Frequency.....L1, 1575.42 MHZ
 C/A Code.....1.023 MHz chip rate
 Channels.....20 all-in-view tracking
 Sensitivity.....-161 dBm

Accuracy

Position Horizontal.....< 5 2D RMS WAAS/ EGNOS / MSAS enabled (CEP with DGPS)
 > 5m ~ 10m 2D RMS WAAS disabled (CEP without DGPS)
 Velocity.....0.1m/s
 Time.....1ms RMS
 WASS/EGNOS/MSAS.....Enabled

Aquisition Rate

Hot start.....1.5 sec., average
 Warm start.....32 sec., average
 Cold start.....34 sec., average
 Reacquisition.....<1 sec. average

Protocol

GPS Protocol.....NMEA 0183 v3
 GPS Output Data.....GGA(1sec), GSA(1sec), GSV(5sec), RMC(1sec),
 GLL,VTG is optional
 GPS transfer rate.....4800 (Bits per second: 4800, Data bits: 8, parity:
 None, Stops bits: 1)

Operating System

Compatible operating systems.....Windows: 98/2000/XP/Vista
 Mac: OSX 8/9/10.X
 Linux: Redhat 7.3/8.0/9.0

Dynamic Condition

Acceleration Limit.....Less than 4g
 Altitude Limit.....Max 60,000 Feet (18,000 meters)
 Velocity Limit.....Max 515 Meters / sec (1000 Knots / 151 MPH)

Environmental Specifications

Operating.....-4° ~ 140°F (-20° ~ 60°C)
 Storage.....-22° ~ 158°F (-30° ~ 70°C)
 Humidity.....Up to 95% non-condensing

Electrical Characteristics

Voltage.....DC 5.0V, USB bus power
 Current Draw.....< 55mA
 Power Consumption.....< 275 mW

Physical Characteristics

Dimension.....2.6" x 0.9" x 0.4" (65.5mm x 23mm x 11mm)
 Weight.....0.64 Ounces (18.14g)

PACKAGE CONTENTS:



		LINUX
	20 CHANNEL	WIN
USB	SIRF III	MAC

Taiwan
 GLOBALSAT INCORPORATED
 16F, No. 186, Jian Yi Road, Chung Ho City
 Taipei Hsien, Taiwan
 T: +866-2-82263799 F: +866-2-82263899
 globalsat.com.tw service@globalsat.com.tw

North America
 USGLOBALSAT, INC.
 14740 Yorba Court
 Chino, CA 91710
 T: +909-597-8525 F: +909-597-8532
 usglobalsat.com sales@usglobalsat.com

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