

# NAVSTAR FLP100

Purpose Built for Exceptional Monitoring Performance



NavStar FLP100 Data Logger

The FLP100 modular data logger is the main component in NavStar's modular logging lineup. It can connect dozens of sensor modules and stream live data to GeoExplorer.

The FLP100 is an incredibly flexible device. It not only acts as a data logger, it also performs as a device server, radio gateway and radio-network bridge. Data is buffered during communications outages and then automatically uploaded when comms are restored.

For added convenience the FLP100 stores data on micro USB drives making it ideal for capturing data in remote locations where real-time data transfer is not feasible. Simply swap the micro USB drives for the easiest possible in-field retrieval.



*Every automated monitoring installation is a little bit different. We built the FLP100 to handle them all. From individual GNSS monitoring stations to complex integrated systems, the FLP100 can scale to match.*

*- Steven Gosselin, NavStar*

**Purpose Built • WiFi • Ethernet • FlexRadio • Simple Configuration  
GPS Timing • Low Power Consumption**

## NavStar FLP100 – Flex Logger Pro

<b>FUNCTIONS</b>	<p>Master Module Unit – connect additional modules.</p> <p>Real-time data upload of multiple devices to GeoExplorer</p> <p>Off-line data logging and automatic upload</p> <p>Device server functionality e.g. to connect a total station to GeoExplorer</p>
<b>POWER</b>	<p>Nominal Voltage: 12vDC</p> <p>Input Voltage Range: 9–30vDC</p> <p>Power Consumption: 2.5W (approximate)</p>
<b>TEMPERATURE</b>	<p>Operating: –40 to +65 deg C, Storage: –45 to +80 deg C</p>
<b>PORTS</b>	<p>Power: 2 pin terminal block</p> <p>GPS, WiFi, FlexRadio: MCX</p> <p>RS232</p> <p>Firmware Update: Micro USB</p> <p>GPIO: 2 inputs</p> <p>Ethernet: RJ45</p> <p>Bus: 10+2 Data + Power Flex Bus Connector</p>
<b>SIZE</b>	<p>LxWxD 99x52x99mm</p>
<b>WEIGHT</b>	<p>248g</p>
<b>HOUSING</b>	<p>Polyamide, green, inflammability class VO (UL94)</p> <p>Din-rail mountable</p>
<b>DATA FORMATS</b>	<p>Compact Binary (NCB), Secure Link (NSL)</p>
<b>BUS PROTOCOLS</b>	<p>RS485, I2C, CAN (Subject to firmware support)</p>
<b>SUPPORTED MODULES</b>	<p>SEM100 (Serial Expansion), GPM100 (High Precision GNSS), VWM100 (Vibrating Wire), PWM100 (Power Control), ANM100 (Analog Input), DIM100 (Digital Inputs)</p>
<b>OTHER FEATURES</b>	<p>Micro USB Drive for data storage</p> <p>In-field firmware updates via USB stick</p> <p>Internal hardware power management</p> <p>Watchdog timer support</p> <p>Full GeoServer / GeoExplorer Support</p>