Navstar Control Box

Description

Versatile Solution
Designed to meet diverse operational and data management needs, even in the most challenging environments. Configurable as a GNSS Base Station, Gateway, Repeater, or Total Station Control Box, ensuring a perfect fit for any monitoring setup.

Flexible Powering and Connectivity
Multiple connectivity options include LTE, Wi-Fi, and Ethernet. Solar or A/C power options offer flexibility.

Seamless Integration with GeoExplorer
Efficient data communication with a multitude of sensor types, providing consistent performance and adaptability.

Control Box General Specifications

Enclosure Dimensions	400mm x 352mm x 197mm
Enclosure Material	Fiberglass Reinforced Polyester
Connectors	TNC (F) for GNSS Antenna N (F) for Radio Antenna Ethernet RJ45 External Battery AC Power Solar Power Serial DB9 (Optional) Grounding Lug
Mounting	Pole and Wall
Temperature	Operating: -40°C to +60°C Storage:-40°C to +60°C
Environmental Protection	Ingress Protection (IP65)

FLP200

Power	Nominal Voltage: 12V (DC) Input Voltage Range: 9-30V (DC) Power Consumption: 1.6 - 1.9W Switched Power Output: 3 channels
Temperature	Operating: -40 to +65°C Storage: -45 to +80°C
Ports	Firmware Update: USB-C Serial IO: 2 x RS232 Ethernet: RJ45 Bus: Full-Duplex RS485
Size	99 × 52 × 99mm
Weight	248g
Housing	Polyamide, green, inflammability class VO (UL94), Din-rail mountable
Supported Modules	SER100 (Serial Expansion) (High Precision GNSS) GPM300 (High Precision GNSS)

Other Features	Remote firmware updates available via GeoExplorer software Internal hardware power management Watchdog timer support Full GeoServer / GeoExplorer Support
Radio	900MHz (North America, Brazil, Australia) 868MHz (EU, Africa)

GPM300

Power	Bus-powered through the FLP200 Power Consumption: 2.1W (approx.)
Temperature	Operating: -40°C to +65 °C Storage: -45°C to +80 °C
Ports	Firmware update: USB-C
Size	99 × 26 × 99mm
Weight	144g

FLL400

Power	Nominal Voltage: 12V (DC) Input Voltage Range: 9 - 30V (DC) Power Consumptopn: ?1.5W
Temperature	Operating: -40 to +65°C Storage: -45 to +80°C
Ports	Firmware Update: USB-C GPIO: 1 input Bus: Full-Duplex RS485
Size	99 × 26 × 99mm
Weight	124g
Housing	Polyamide, green, inflammability class VO (UL94), Din-rail mountable
Radio	900MHz (North America, Brazil, Australia) 868MHz (EU, Africa)

For information on customization and further configurations specific to your project requirements, contact RST Instruments
SPECIFICATIONS