

## Surveillance Data Distribution Platform

## Features



- Fully supported by the SureLine® Software Suite
- SIU Replacement
- TCP/IP & UDP protocols
- Hot-swappable modules
- ADS-B Module available
- Supports messaging formats (ASTERIX, CD2, ASR, and more)

Sunhillo's Longport platform is a robust, versatile and modular system designed for surveillance sensor data distribution and message conversions. The updated Longport model 6000 is now more powerful than ever with a 1GHz Dual Core processor and the latest technology insuring the Longport is supportable for the foreseeable future. The new Longport is a form, fit, and function direct replacement to the current Longport.

The Longport provides sensor interfacing capabilities for the FAA STARS, ASR11, as well as the military DASR program. The Longport is scalable, providing the capability to provision modules and services as mission requirements dictate.

The Longport delivers high density system interfacing to multiple serial ports with the ability to scale to future Network Enabled

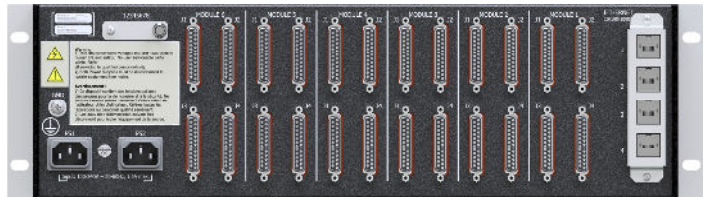
Enterprise Architectures. The Longport platform enables synchronous, asynchronous, bisynchronous, and high speed LAN interconnectivity and can be universally programmed to perform essentially any data format conversion or filtering function.

**Enabled with the Sunhillo SureLine® software** the Longport supports a suite of message format conversions between surveillance data in CD-2, ASR, various ASTERIX categories (e.g., CAT 001, 002, FAA 033, 034, 048, and others) in addition to sync serial and LAN formats.

The Processor Module serves as the interface to 4-serial ports of data with a maximum of 6 Processor modules/24 ports per unit. Standard serial cables connect directly to the rear of the Longport maintaining independent connectivity. The Longport

chassis is a 19-inch standard EIA rack mount unit with a 3U form factor. Dual and single power supply configurations are available. The LAN Module provides IP-based network connectivity via quad 10/100/1000 Ethernet ports located on the rear of the unit.

# Front and Rear Panels



## Technical Specifications

### Serial Port Controls

- RS-232 (V.28), RS-422, X.21 (V.11), V35 (V.35 & V.28), EIA-530A (V.10 & V.11), RS-449/V.36 (V.10 & V.11), RS-485

### Ethernet

- 10BASE-T, 100BASE-T, 1000BASE-T, IEEE-802.3

### Protocols

- Synchronous, Asynchronous, HDLC/SDLC, Bi-Sync, Mono-Sync, TCP/IP, UDP/IP

### Message Formats

- ASTERIX (e.g., CAT 001, 002, FAA 033, 034, 048, and others), CD-2, ASR-9/11, Mode S, MAR, TPS75, ARTS, AIRCAT-500, ECGP, SGF, ADS-B, custom, and more

### Clock Sources

- DCE, DTE, Split Clock (individual clock receive and transmit on each port)

### Power

- Fully Populated Power usage: 89W
- 100-240 VAC, 50-60 Hz, 1.5A max

### MTBF

- Dual Power Supplies: 165,717 Hours at 30°C
- Single Power Supply: 162,696 Hours at 30°C

### Dimensions

- Height 5.25 in./133.5 mm
- Width 17.5 in./444.5 mm (without mounting brackets)
- Depth 9.5 in./241.3 mm
- Weight 14 lbs./6.35 kg (fully populated chassis)

### Environmental (Tested to MIL-STD-810G)

- Storage Temperature: -50°C to +60°C
- Operating Temperature: -20°C to +50°C
- Operating Relative Humidity Range: 10-95%, noncondensing
- Operating Altitude: -300 ft to 10,000 ft

### Certifications and Compliance

- CE & UKCA Mark
- RoHS3 Directive EU 2015/863
- REACH
- FCC Part 15, Class B
- UL/CSA/IEC/EN 62368-1
- ETL for Canada and US, 3023031
- FAA-G-2100J: Power

### Optional Modules

- ADS-B Receiver

