

## Surveillance Gateway Processor



**Sunhillo's Surveillance Gateway Processor (SGP)** is a powerful, versatile and modular 1U platform designed for LAN to LAN surveillance sensor data formatting, filtering and protocol conversions. The SGP unit is scalable and modular, providing the capability to incrementally add fault-tolerant RAID provisioning to achieve greater levels of system performance, reliability, and larger data volume sizes. The SGP comes standard with dual Gigabit Ethernet ports but can also be ordered with an optional 4-port Ethernet card for future network demands.

The **SGP** is an integral member of the Surveillance Gateway family. It manages high-capacity data pipes up to gigabit speeds providing data formatting, filtering and protocol conversion of site specific packetized sensor information from and to a LAN. This versatile device provides interfacing directly to a router or switch and handles TCP/IP and UDP/IP protocols. The SGP is also the engine that powers our scalable and modular LAN-to-LAN, LAN-to-serial solution when married with our Surveillance Gateway Unit (SGU).

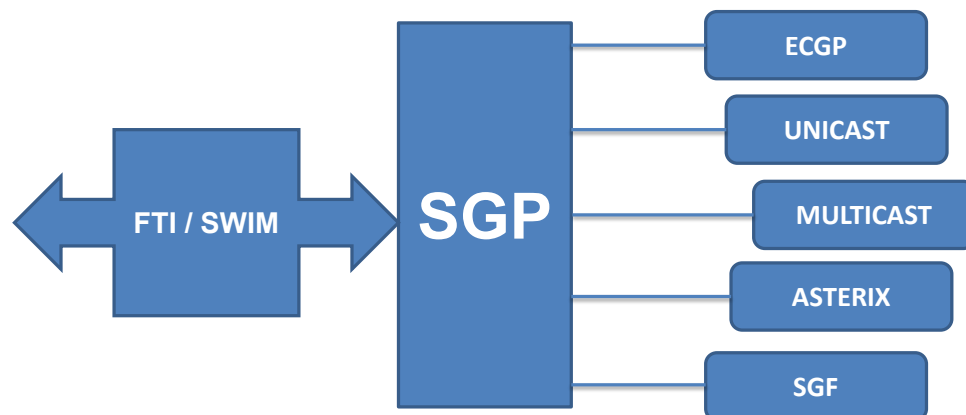
The **stand-alone 1U** SGP units can be pre-configured to your specifications at our factory. Common conversions and/or filtering performed by the SGP include message format transformations between surveillance data in CD-2, ASR, various ASTERIX categories (e.g., CAT 01, 02, 33, 34, 48, and others), ADS-B, MAR, TPS75, Mode 4, ARTS, SGF, AIR-CAT-500, Mode S and other custom LAN formats.

## FEATURES

- LAN to LAN Protocol Conversion
- Standard / Custom Message Formats
- TCP/IP and UDP/IP Protocols
- 1U Rack Mountable Chassis
- Dual 10/100/1000 Ethernet with Optional 4 Ports
- Redundant RAID Hard Disk
- Auto-switching 100/240VAC Power Supply



# SGP: Surveillance Gateway Processor



## Technical Specifications

### Ethernet

- 10BASE-T, 100BASE-T, 1000BASE-T, Gigabit Ethernet

### Protocols

- Synchronous, Asynchronous, HDLC/SDLC, TCP/IP, UDP/IP

### Message Formats

- ASTERIX (e.g., CAT 01, 02, 33, 34, 48, and others), CD-2, ASR-9/11, Mode 4, Mode S, MAR, TPS75, ARTS, AIR-CAT500, SGF, ADS-B, custom, and more

### Agency Certifications

- FCC Part 15, Class B
- UL 60950
- ROHS - EU Directive 2002/95/EC

### Power

- 100-240 VAC, 5.0A Max, 50-60Hz

### Dimensions

- Height: 1.7in / 43mm
- Width: 17.2in / 437mm
- Depth: 19.8in / 503mm

### Weight

- 31 lbs / 14.1kg

### Enclosure

- 19-in. rackmount or tabletop

### Temperature

- Operating: 10 to 35°C (32 to 95°F)
- Storage: -40 to 70°C (-40 to 158°F)

### Humidity

- 8 to 90% Non-Condensing
- 5 to 90% Non-Condensing



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