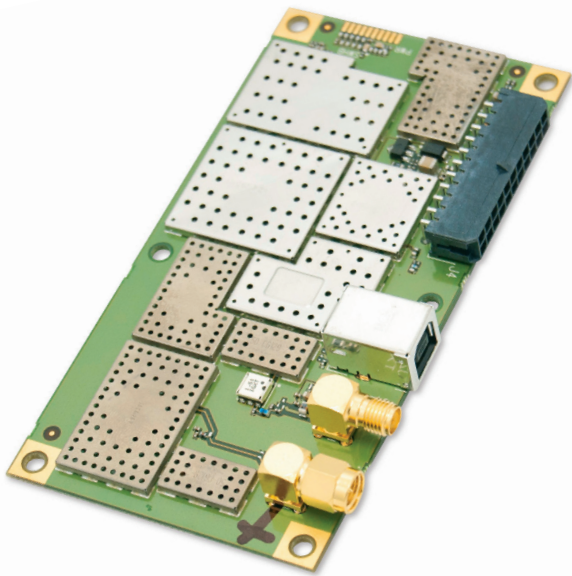# GSP-1720
Satellite Data and Voice Module

Globalstar

The GSP-1720 Satellite Data and Voice Module (SDVM) provides full, two-way data and voice capability, allowing for the development of new and creative applications from basic AT Modems to fully-featured fixed telephone services from remote locations.

The GSP-1720 can provide Direct Connect Internet, Dial-up Internet or Remote Terminated Data sessions and asynchronous computer to computer connectivity for Supervisory Control and Data Acquisition (SCADA) applications. These options provide communication lines with land and marine-based equipment, while complementing mobile and stationary field solutions.

Whether mobile or stationary, the GSP-1720 helps you monitor, control or track assets remotely through the Globalstar satellite network – affordably, reliably and with low-power requirements.

Features and Advantages:

- Data and voice capable
- Modular for ease of Original Equipment Manufacturer (OEM) integration
- Low power consumption
- Application options: Choose from a range of applications to fit your communication needs
- Compatible with Windows 98/2000/XP/NT/ME/Vista/7
- Automatic system select: Apply power to the unit and the module will automatically seek out the Globalstar network
- Voice service quality: Superior CDMA digital satellite quality

Data Services:

- Direct Connect Internet or Direct Dial-up Circuit Switched Data
- 9.6 kbps full duplex service (available up to 38 kbps with compression)
- Utilizes standard and enhanced "Hayes Modem" AT commands
- Dial-up networking, Asynchronous data communications, Static IP availability
- Short Messaging Service (SMS): 35 character incoming
- Remote Terminated Data capability
- The GSP-1720 can be integrated into a cellular or GSM data solution

SCADA Applications:

- Telemetry
- Remote Monitoring
- Environmental Monitoring
- Aviation
- Process Control
- Remote Diagnostics

GSP-1720 Includes:

- The Satellite Data Voice Module (SDVM) OEM board
- Choose from multiple antenna forms (not included) in either passive or active versions that allow for remote antenna installations. Stick, Mini-stick and low-profile patch antenna form factors
- GSP-1720 integrator's manual available upon request

Installation Options

- Choose from multiple antenna forms in either passive or active version that allow for remote antenna installations

Note: All products utilizing the GSP-1720 require Globlastar Network Certification. We recommend you contact the Globalstar Product Certification Team as early as possible in your development cycle.

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Technical Specifications

Dimensions	119mm H x 65mm W x 15mm D (4.69"H x 2.4"W x .55" D)
Weight	2.15 oz (60 g)
Operating Frequencies	Transmit: 1610 MHz – 1626.5 MHz
	Receive: 2483.5 MHz – 2500 MHz
Maximum transmit power	+31dBm EIRP (passive antenna), +34 dBm (active antenna)
DC input voltage	+4.7V to 5.1V

Power Consumption
@5VDC input (estimated)

State	Min	Typical	Max	Units
Shutdown	0.0	0.65	1.0	mW
Standby	0.5	0.5	1.1	W
Transmit	2.2	3.65	5.0	W

Interfaces

User Ports	22 pin Molex connector with pin-outs for data port, auxiliary port (control/NEMA), audio and power
	USB-B connector for data and diagnostics connectivity
Module Antenna Connectors	Passive: TX SMA Female, RX SMA female
	Active: TX SMA male, RX SMA female

Temperature Range

	OPERATIONAL	NON-OPERATIONAL
Module Environment Conditions	-22ºF to +140ºF (-30 to +60ºC), humidity 5% - 95% (under 40°C)	-40ºF to +185ºF (-40°C to +85ºC), humidity 5% - 100% (under 40°C)
Antenna Environment Conditions	-40ºF to +185ºF(-40°C to +85°C), humidity 5% -95% (under 40°C)	-40ºF to +185ºF(-40°C to +85°C), humidity 5% -95% (under 40°C)

Certifications

FCC, IC, CE, ANATEL

Coverage may vary. Specifications are subject to change without notice.

Accessories

RF ANTENNA

POWER SUPPLY

MULTI-MODE
DATA/POWER CABLE KIT

Visit Globalstar at **www.globalstar.com** for service plan and coverage details.