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## GSP-1720 Satellite Data Voice Modem



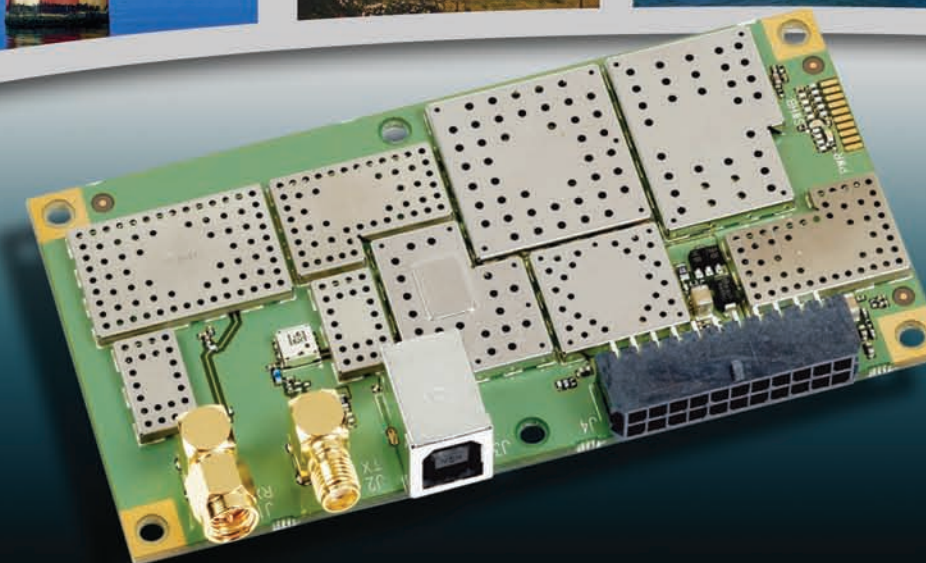
### TECHNICAL SPECIFICATIONS GSP-1720 SATELLITE DATA VOICE MODULE WITH PASSIVE PATCH ANTENNA

OPERATING FREQUENCIES	Transmit:	1610 – 1626.5 MHz			
	Receive :	2483.5 – 2500 MHz			
MAXIMUM TRANSMIT POWER	+31dBm EIRP				
DC INPUT VOLTAGE	+4.7V to 5.1V				
POWER CONSUMPTION ESTIMATES @ 5.0V INPUT					
	State	Min	Typical	Max	Units
	Shutdown	0	3.5	5	mW
	Standby	.5	.5	1.1	W
	Transmit	2.2	3.65	5	W
INTERFACES USER PORT MODULE ANTENNA CONNECTORS					
	User Port	22-pin header with pin outs for data, control, power, Analog Audio, remote on/off, antenna Bias-T			
	USB Port	USB 2.0 Type B Port			
	Module Antenna Connectors				
	TX	SMA Female			
	RX	SMA Male			
	ODU Antenna Connectors				
	TX	SMA Female			
	RX	SMA Female			
DIAGNOSTIC MONITOR AND SOFTWARE UPGRADE		USB			
MODULE DIMENSIONS		4.69 in (119mm) x 2.56 in (65mm) x .55 in (14mm)			
MODULE WEIGHT		< 60 grams			
ANTENNA (Passive)		2.7 in (68.81 mm) diameter by 0.69 in (17.53 mm) tall, < 4.0 ounces (113 grams)			
ANTENNA CABLE (NOT INCLUDED)		(2) cables required: (transmit & receive)			
		Transmit cable maximum 1.0dB insertion loss @ 1618 MHz Transmit cable minimum 0.2 dB insertion loss @ 1618 MHz Receive cable maximum 3.0 dB insertion loss @ 2492 MHz Receive cable minimum 0.2 dB insertion loss @ 2492 MHz			
CERTIFICATION		FCC, CE, IC			
MODULE ENVIRONMENTAL CONDITIONS	Operating	-22 to +140°F (-30 to +60°C)			
	Storage	-40 to +185°F (-40 to +85°C)			
	Relative Humidity	5% to 95% (under 40° C)			
ANTENNA ENVIRONMENTAL	Operating/Storage	-67 to +185°F (-55 to +85°C)			
	Relative humidity	5% to 95% (under 40° C)			



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## Remote Control.



# GSP-1720

## Satellite Data and Voice Module

Coverage may vary. Specifications subject to change without notice. For more details, including service terms and conditions, visit [www.globalstar.com](http://www.globalstar.com). 461 So. Milpitas Blvd., Building 5, Milpitas CA, 95035 USA, P: 1.877.728.7466, F: 408.933.4100.

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## SATELLITE DATA AND VOICE MODULE

The GSP-1720 satellite data and voice module enables full two-way data and voice capability, allowing the development of new and creative applications from basic AT Modems to full-featured fixed telephone service for remote areas.

For Supervisory Control and Data Acquisition (SCADA) applications, the GSP-1720 Satellite Data/Voice Module (SDVM) can provide either Direct #777 or Dial-up Internet computer to computer connectivity. These options provide communications with land and marine-based equipment, while complementing mobile and stationary field solutions.

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.

### APPLICATIONS

SCADA	Aviation
Telemetry	Process Control
Remote Monitoring	Remote Diagnostics
Environmental Monitoring	

### GSP-1720 INCLUDES:

The Satellite Data Voice Module (SDVM) OEM board

### SATELLITE DATA/VOICE MODULE FEATURES:

- Globalstar Satellite Data Service
- Globalstar Satellite Voice Service

### VOICE SERVICES:

- Crystal clear voice quality: Superior CDMA digital satellite quality
- Automatic system select

### DATA SERVICES:

- Global #777 packet data network
- 9.6 kbps full duplex service (express data available up to 19 kbps)
- Utilizes standard and enhanced “Hayes Modem” AT commands
- Compatible with Windows 2000/XP
- Static IP/VPN service available
- Short Messaging Service (SMS): 35 character incoming
- The GSP-1720 can be integrated into cellular or GSM data solution



GAT-17MP

Marine



GAT-17HX

Land



GAT-17MR

low Profile

### INSTALLATION OPTIONS

Choose from three antenna forms in either passive or active versions that allow for remote antenna installations.

- Additional Items (not included) – RF antenna cables, Power Supply, multi-mode data/power cable

