

# Globalstar GSP-1620 Satellite Data Modem (SDM)



Designed for many applications, the GSP-1620 Satellite Data Modem offers you two-way connectivity to transfer data from remote areas. For Supervisory Control and Data Acquisition (SCADA) applications, the Globalstar GSP-1620 Satellite Data Modem can provide either Direct Internet or Dial-up Internet connectivity. Both options provide asynchronous connections to allow communications with land and marine-based equipment, while complementing mobile and stationary field solutions.

If you need to communicate with monitoring units that control production equipment and track assets – whether they are stationary or mobile – integrate your application with the Globalstar GSP-1620 Satellite Data Modem.

## SATELLITE DATA MODEM FEATURES:

- Globalstar Satellite Data Service

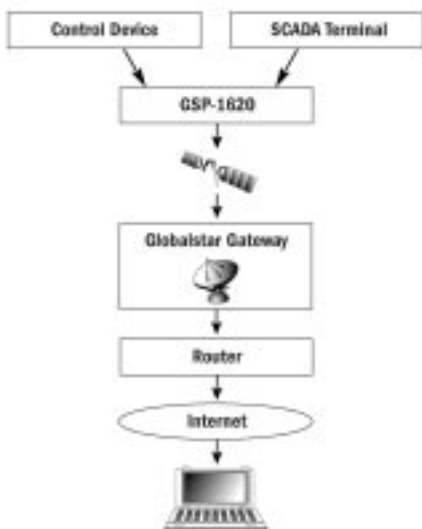
## DATA SERVICES:

- Direct Internet or Direct Dial-up Circuit Switched Data
- 9.6 kbps full duplex service rate (7.4 kbps average throughout)
- Utilizes standard “Hayes Modem” AT commands
- Compatible with windows 95/98/2000/XP/NT/ME
- Dial-up networking
- Short Messaging Service (SMS): 19 character

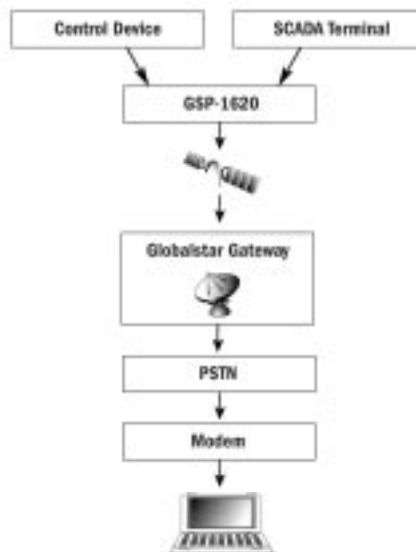
## GSP-1620 INCLUDES:

- SDM board
- Low profile antenna
- Optional Accessories (not included) – RF antenna cables, enclosure, Power Supply, Data/PWR cable kit

### DIRECT INTERNET CONNECTIVITY METHOD



### DIRECT DIAL-UP CONNECTIVITY METHOD



Visit Globalstar at [www.globalstar.com](http://www.globalstar.com) for service plan and coverage details.

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## TECHNICAL SPECIFICATIONS GSP-1620 SATELLITE DATA MODEM

<b>OPERATING FREQUENCIES</b>	Transmit:	1610 – 1625 MHz			
	Receive:	2484 – 2499 MHz			
<b>MAXIMUM TRANSMIT POWER</b>	+26 dBm EIRP (0.4W)				
<b>DC INPUT VOLTAGE</b>	+5.6 V to +16V				
<b>POWER CONSUMPTION ESTIMATES @ 12V INPUT:</b>	State	Min	Typical	Max	Units
	Shutdown	1.2	2.4	3.6	mW
	Receive	0.28	0.5	2.4	W
	Transmit	3.6	4.8	5.4	W
<b>INTERFACES</b>					
<b>USER PORT</b>	DB25 with pin-outs for data, control and power				
<b>MODEM ANTENNA CONNECTORS</b>	TX MCX Female				
	RX MCX Female				
<b>ANTENNA CONNECTORS</b>	TX SMA Female				
	RX SMA Female				
<b>DIAGNOSTIC MONITOR AND SOFTWARE UPGRADE</b>	DB9 Connector				
<b>MODEM DIMENSIONS</b>	7.48 in (190 mm) x 2.95 in (75 mm) x 0.67 in (17 mm)				
<b>MODEM WEIGHT</b>	6.6 ounces (187 grams)				
<b>ANTENNA (INCLUDED, LOW PROFILE OPTION)</b>	4.1 in (103 mm) diameter by 2.5 in (63 mm) tall				
	7.6 ounces (215 grams)				
<b>ANTENNA CABLE (NOT INCLUDED)</b>	(2) cables required: (transmit & receive)				
	Male SMA to Male MCX				
	Maximum 0.66 dB insertion loss				
<b>CERTIFICATION</b>	FCC				
	ETSI				
	IC				
<b>MODEM ENVIRONMENTAL CONDITIONS</b>	Operating:	-22 to +140°F (-30 to +60°C)			
	Storage:	-40 to +185°F (-40 to +85°C)			
<b>ANTENNA ENVIRONMENTAL CONDITIONS</b>	Operating/Storage:	-40 to +185°F (-40 to +85°C)			
	Relative humidity:	5% to 100%			

[www.globalstar.com](http://www.globalstar.com)

Some conditions apply. Rates for minutes based on individual price plan. Coverage may vary. Specifications subject to change without notice. Ask your local Globalstar Authorized Dealer for complete pricing and coverage information. Or see complete details at [www.globalstar.com](http://www.globalstar.com). Globalstar USA LLC. © 2004. All rights reserved. 461 So. Milpitas Blvd., Building 5, Milpitas CA, 95035 USA, P: 1.877.728.7466, F: 408.933.4100. Please see complete details of Globalstar service in the Terms and Conditions on our website, [www.globalstar.com](http://www.globalstar.com)

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