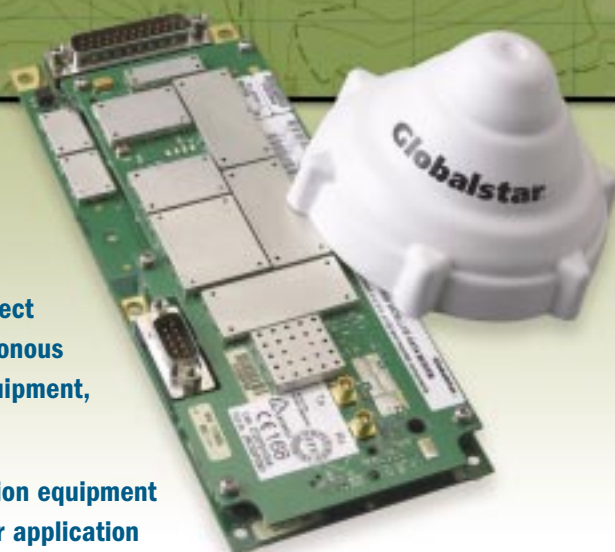


Globalstar GSP-1620 Satellite Data Modem (SDM)



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

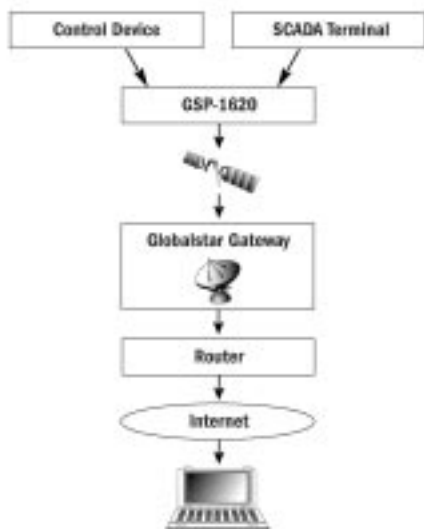
DATA SERVICES:

- 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

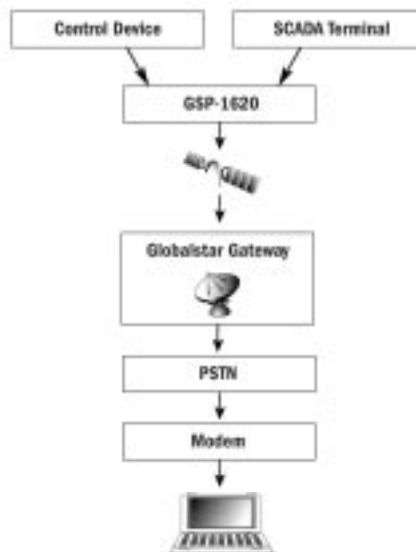
GSP-1620 INCLUDES:

- SDM board
- Low profile antenna
- Optional accessories include - RF antenna cables, enclosure, Power Supply, Data/PWR cable kit

DIRECT INTERNET CONNECTIVITY METHOD



DIRECT DIAL-UP CONNECTIVITY METHOD



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

Globalstar GSP-1620 Satellite Data Modem (SDM)

TECHNICAL SPECIFICATIONS GSP-1620 SATELLITE DATA MODEM

OPERATING FREQUENCIES	Transmit: 1610 – 1625 MHz Receive: 2484 – 2499 MHz																				
MAXIMUM TRANSMIT POWER	+26 dBm EIRP (0.4W)																				
DC INPUT VOLTAGE	+5.6 V to +16V																				
POWER CONSUMPTION ESTIMATES @ 12V INPUT:	<table border="1"> <thead> <tr> <th>State</th> <th>Min</th> <th>Typical</th> <th>Max</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>Shutdown</td> <td>1.2</td> <td>2.4</td> <td>3.6</td> <td>mW</td> </tr> <tr> <td>Receive</td> <td>0.28</td> <td>0.5</td> <td>2.4</td> <td>W</td> </tr> <tr> <td>Transmit</td> <td>3.6</td> <td>4.8</td> <td>5.4</td> <td>W</td> </tr> </tbody> </table>	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
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																	
INTERFACES																					
USER PORT	DB25 with pin-outs for data, control and power																				
MODEM ANTENNA CONNECTORS	TX MCX Female RX MCX Female																				
ANTENNA CONNECTORS	TX SMA Female RX SMA Female																				
DIAGNOSTIC MONITOR AND SOFTWARE UPGRADE	DB9 Connector																				
MODEM DIMENSIONS	190 mm (7.48 in) x 75 mm (2.95 in) x 17 mm (0.67 in)																				
MODEM WEIGHT	187 grams (6.6 ounces)																				
ANTENNA (INCLUDED, LOW PROFILE OPTION)	103 mm (4.1 in) diameter by 63 mm (2.5 in) tall 215 grams (7.6 ounces)																				
ANTENNA CABLE (NOT INCLUDED)	(2) cables required: (transmit & receive) Male SMA to Male MCX Maximum 0.66 dB insertion loss																				
CERTIFICATION	FCC ETSI IC																				
MODEM ENVIRONMENTAL CONDITIONS	Operating: -30 to +60°C (-22 to +140°F) Storage: -40 to +85°C (-40 to +185°F)																				
ANTENNA ENVIRONMENTAL CONDITIONS	Operating/Storage: -40 to +85°C (-40 to +185°F) Relative humidity: 5% to 100%																				

www.globalstar.ca

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.ca. Globalstar Canada Satellite Co. © 2004. All rights reserved. 75 Watline Avenue, Suite 140, Mississauga ON L4Z 3E5 Canada, P: 1.877.728.7466, F: 905.890.2175. Please see complete details of Globalstar service in the Terms and Conditions on our website, www.globalstar.ca.

August 2004 SDM-CDN E

