Spider® SA-GL (GSM/GPRS)

Presenting the Spider® SA - GL - the most economical and compact GSM/GPRS stand-alone modem available today.

The Spider® SA-GL can connect to virtually any device with a serial port. The Spider® SA-GL ships with modem management software supporting Windows 98 SE, NT 4.0 (Service Pack 6), 2000 Professional, and XP.

The Spider® SA-GL makes portability and/or extreme environmental conditions less of a concern with its ruggedized housing.

Call your AIRDESK representative today or visit our website below.

Spider® SA-GL

Host Interface:	RS232 - Dsub-9
Dimensions:	2.0/2.0/.94 in.
Housing:	1 piece aluminum extrusion

Radio Performance MultiBand

Radio Frequency:	850/900/1800 MHz (EGSM/DCS) 1900 MHz (PCS)
Sensitivity:	-106 dB (Typical)
Transmit Power:	**CLASS 4** (2 W @ 900 MHz) **CLASS 1** (1 W @ 1800/1900 MHz)
Slot Class:	MS10 (4Rx/2Tx, 5 MAX)

System Requirements

Host Interface:	Serial Interface

GPRS Packet Data

GSM/GPRS Mode:	Class B Multi-Slot Class10
Protocol:	GPRS Release 97 and 99 SMG 31
Coding Schemes:	CS1-CS4
Packet Channel:	PBCCH/PCCCH
Data Rate:	~56 kbps receive ~56 kbps transmit
GPRS/SMS:	Text, PDU, MO/MT

GSM Functionality

Voice:	Full Rate, Enhanced full rate and half rate
CS Data:	Asynchronous, transparent and nontransparent up to 9.6 KB/sec
GSM SMS:	Text, PDU, MO/MT cell broadcast
FAX:	Group 3 (Class 2)

Application Interface

Host Protocol Internal Protocol:	AT Commands, UDP/API PPP, UDP/API, UDP/PAD, CMUX, TCP/PAD
Physical Interface:	RS232
Peripheral Interface:	Antenna connector SMA Headset connector - 2.5 mm

SIM Access

3 Volt
(Accessible from exterior of case)

Environment

Operating Temperature:	-20º to 60º C
Storage Temperature :	-40º to 85º C
Humidity:	5 to 95% non-condensing

Power

Requirements

DC Voltage:	5V-9V DC with 2 Pin Molex Connector

GSM Operating Power (Typical)

Spider SA-GL @ 9V		Avg	Peak
GSM 900	1TX/1RX	225 mA	2.38A @ 32.4dBm
	1RX	140 mA	
	Idle	45 mA	
	Sleep	35 mA	
DCS 1800 &	1TX/1RX	200 mA	1.66A @ 29.5dBm
PCS 1900	1RX	104 mA	
	Idle	45 mA	
	Sleep	35 mA	

For GPRS Operating Power see Enfora GSM-GPRS Spider SA-GL User Manual GSM1200PB001MAN

Status LED

- Power ON/Registration

Certifications

CE Mark	GCF:	Version 3.11
FCC Part 24 and 15	PTCRB:	Version 2.9
CSA	RTTE	

Part

GSM1218	GSM/GPRS 850/900/1800/1900 MHz

(Specifications subject to change without notice)

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enabling information anywhere