

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 Enfora representative today or visit our website below.

www.enfora.com



Spider® SA-GL

Host Interface: RS232 - Dsub-9
Dimensions: 2.2/3.5/1.5 in.
Housing: 1 piece aluminum extrusion

Radio Performance MultiBand

Radio Frequency: 900/1800 MHz (EGSM/DCS)
1900 MHz (PCS)
Sensitivity: -108 dB (Typical)
Transmit Power: **CLASS 4**
(2 W @ 900 MHz)
CLASS 1
(1 W @ 1800/1900 MHz)
Slot Class: MS12 (4Rx/4Tx, 5 MAX)
(demonstrated @ MS10)

System Requirements

Host Interface: Serial Interface

GPRS Packet Data

GSM/GPRS Mode: Class B Multi-Slot Class12
Protocol: GPRS Release 97 and 99
SMG 31
Coding Schemes: CS1-CS4
Packet Channel: PBCCCH/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
☐ ☐ Asynchronous, transparent
and nontransparent up to
9.6 KB/sec
☐ ☐ Text, PDU, MO/MT
GSM SMS: ☐ cell broadcast
☐ ☐ Group 3 (Class 2)
FAX: ☐ ☐

Application Interface

Host Protocol: AT Commands, UDP/API
Internal Protocol: 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: -20° to 60° C
Storage Temperature: -40° to 85° 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 3.5
PTCRB: ☐ Version 2.72
RTTE

Part

GSM1212 GSM/GPRS 900/1800 MHz
GSM1213* GSM/GPRS 1900 MHz
GSM1218* GSM/GPRS 850/900/1800/1900 MHz

* Not Yet Released
(Specifications subject to change without notice)

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