Enfora SA-GL™

GSM/GPRS   Quad Band Modem

Presenting the Enfora SA-GL, the most economical and compact wireless IP (GPRS/GSM) stand-alone modem available today.

The SA-GL can connect to virtually any device with a serial port. The SA-GL comes with modem management software supporting Windows 98SE, 2000 Professional and XP

The 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.

SA-GL Characteristics

Host Interface:	RS232- DSUB 9
L x W x H:	2.5 x 2.5 x 0.94 in
Housing:	Seamless Aluminum Extrusion
Antenna:	SMA Connector
Voice Jack:	2.5mm headset Jack
Radio Frequency:	850/900/1800/1900
Sensitivity:	-106 dB (Typical)
Transmit Power:	Class 4 (2W @850/900 MHz) Class 1 (1W @1800/1900 MHz)

Status Indicators

Power ON/Registration

GPRS Packet Data

Mode:	Class B, Multislot 10
Protocol:	GPRS Rel 97 and 99, SMG 31
Coding Schemes:	CS1-CS4
Packet Channel:	PBCCH/PCCCH

GSM Functionality

Voice:	FR, EFR, HR & AMR
CS Data:	Asynchronous, Transparent and Non-Transparent up to 14.4 KB
GSM SMS:	Text, PDU, MO/MT Cell broadcast

Application Interface

Host Protocols:	AT Commands, UDP/API
Internal Protocols:	PPP, UDP/API, UDP/PAD CMUX, TCP/PAD
API Control/Status:	AT or UDP

Friend's IP Feature

Auto-Registration software upon power-up

SIM Access

SIM Access:	External – 3V with Locking Mechanism

Environment

Operating:	-20°C to 60°C
Storage:	-40°C to 85°C
Humidity:	Up to 95% non-condensing

Power

DC Voltage: 5V – 9V DC (2 Pin Molex Conn)

GSM Operating Power (Typical)

SA-GL@9V Band	Mode	Avg Current (mA)	Peak Current (A)@(dBm)
GSM 850	1TX/1RX	230mA	1.42 @ 32
	1RX	160mA	
	Idle	50mA	
	Sleep	15mA	
EGSM 900	1TX/1RX	220mA	1.70 @ 33
	1RX	160mA	
	Idle	44mA	
	Sleep	15mA	
DCS 1800	1TX/1RX	210mA	1.45 @ 30
	1RX	160mA	
	Idle	40mA	
	Sleep	15mA	
PCS 1900	1TX/1RX	215mA	1.50 @ 31
	1RX	156mA	
	Idle	40mA	
	Sleep	15mA	

Certifications

FCC:	Part 15, 22 & 24
GCF:	Version 3.11
PTCRB:	Version 2.9.1

Industry Canada and CE Mark

Part Number

GSM1218   850/900/1800/1900

(Specifications subject to change without notice)

www.enfora.com