

Enfora SA-G

GSM/GPRS

Quad Modem Band

TECNOSEGUR



SA-G Characteristics

Host Interface: RS232- DSUB 9
 L x W x H: 4.25 x 3.5 x 1.25 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)

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
 Physical Interface: RS232
 Peripheral Interface: 8 Pin I/O
 -4 User Defined Digital I/O
 -2 A/D
 -1 Analog Output
 -Ground

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 - 30V DC (2 Pin Molex Conn)

GSM Operating Power (Typical)

SA-GL@12V Band	Mode	Avg Current (mA)	Peak current (A)@(dBm)
GSM 850 & 1TX/1RX	IRX	150mA	.88 @ 32
	Idle	76mA	
	Sleep	50mA	
DCS 1800 & 1TX/1RX	IRX	112mA	.58 @ 30
	Idle	72mA	
	Sleep	21mA	
	Sleep	20mA	

Status Indicators

- Power ON
- Registration

Certifications

FCC: Part 15, 22 & 24
 GCF: Version 3.11
 PTCRB: Version 2.9.1
 Industry Canada and CE Mark

Part Number

GSM1208 850/900/1800/1900

(Specifications subject to change without notice)