

ENFORA SPIDER® SA

GSM/GPRS/EDGE

QUAD-BAND INTEGRATED
PLATFORMS



ADD PLUG-AND-GO WIRELESS TO REMOTE MONITORING & RURAL INTERNET APPLICATIONS

The Enfora Spider SA family is a certified quad-band integrated platform that enables simple integration through a serial or USB connection. Available with GSM/GPRS and EDGE capabilities, the SA family also lets you address multiple markets and geographies with a single design. The included modem-management software supports Windows® XP, Professional 2000 and 98SE on select models.

Today, more and more companies are turning to Enfora for wireless M2M solutions. By relying on our technology and expertise, they have more time for their core business. When you want to quickly **add wireless access** to remote monitoring applications, Enfora is ready to help you **enable information anywhere.**

QUICK OVERVIEW

- Compact, economical standalone IP platform
- Full GSM/GPRS/EDGE voice and data features
- Simple serial or USB connectivity
- Auto-registration on start-up
- Modem-management software supports Windows® XP, Professional 2000 and 98SE on select models.

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Enable Information Anywhere

	SA-G+ QUAD-BAND	SA-EL QUAD-BAND																																																																		
MODEL NUMBERS	GSM1308	EDG1228																																																																		
CHARACTERISTICS																																																																				
Dimensions (L x W x H)	63.5 x 63.5 x 23.9 mm	63.5 x 63.5 x 23.9 mm																																																																		
Weight	80 g	128.5 g																																																																		
Housing	Plastic	Seamless aluminum extrusion																																																																		
Antenna	SMA connector	SMA connector																																																																		
Voice Jack	N/A	2.5 mm headset jack																																																																		
RADIO PERFORMANCE																																																																				
Frequency (MHz)	850/900/1800/1900																																																																			
Sensitivity	-106 dB (typical)																																																																			
Transmit power	Class 4 (2W@850/900 MHz); Class 1 (1W@1800/1900 MHz)																																																																			
PACKET DATA																																																																				
Mode	Class B, Multislot 10	GSM/GPRS/EDGE/AMR Release 99																																																																		
Protocol	GSM/GPRS Release 97, AMR Release 99																																																																			
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																																																																			
SOFTWARE																																																																				
Host Protocols	AT commands, UDP API, CMUX, PPP																																																																			
Internal Protocols	PPP, UDP API, TCP API, UDP PAD, TCP PAD																																																																			
API Control/Status	AT commands, UDP API, TCP API, AT commands over SMS																																																																			
INTERFACES																																																																				
Physical interface	RS-232C	USB																																																																		
Peripheral interface	8-pin I/O: Mic in, headset out, audio return, ground, input power, 2 user-defined I/O, and 1 dedicate output	2.5 mm headset jack																																																																		
SIM ACCESS	External 1.8/3V with locking mechanism	1.8/3V																																																																		
ENVIRONMENT																																																																				
Operating	-30°C to +70°C																																																																			
Storage	-40°C to +85°C																																																																			
Humidity	Up to 95% non-condensing																																																																			
POWER																																																																				
DC voltage	6-40 V	5 V (powered by USB)																																																																		
GSM operating power (typical)	SA-G+ @ 9 V	SA-EL @ 5 V																																																																		
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CERTIFICATIONS																																																																				
FCC	Parts 15, 22 & 24	Parts 15, 22 & 24																																																																		
GCF	Version 3.21.1	Version 3.17																																																																		
PTCRB	Version 3.7.1	Version 3.2.1																																																																		
Industry Canada	Yes	Yes																																																																		
CE Mark	Yes	Yes																																																																		
RoHS Compliant	Yes	Yes																																																																		
PART NUMBERS	GSM1308-50	EDG1228																																																																		

Specifications subject to change.

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