



Enfora's Spider SA family of Telemetry devices features superior performance in a small package for ultimate flexibility. Coupled with the robust N4A Communications and Management platform, devices can be provisioned, monitored and reconfigured remotely, most anywhere in the world.

From the oil pipeline to the soft drink dispenser, today's visionary companies rely on remote communications to collect data from their remote assets, enhancing their bottom line by allowing their business to operate more efficiently through the management and utilization of critical, decision based data. This certified quad-band integrated IP-based platform is compact and economical ensuring cost effective connectivity in a small robust platform.

Designed with GSM/GPRS/GPS connectivity for global deployments the SA family has been designed to enhance your visibility into remotely located fixed assets. Similar to Enfora's industry-leading portfolio of integrated Mobile Tracking products, the SA family connects the world's leading companies to their fixed assets, Anywhere, Anytime.

Fixed assets of various types can benefit greatly from this fully programmable platform, with voice communications, a wide operational environment and much more, the units are designed to be easily deployed and provisioned supplying critical information from industrial automation applications, supply and cold chain environments, fixed asset deployments, and a host of applications where companies require connectivity to serially connected and sensor generated data.

N4A Spider SA Device Benefits

- Compact, economical IP based platform
- Full GSM/GPRS/GPS Connectivity
- Voice and data features
- Simple serial connectivity
- Auto-registration on start-up
- Firmware-Over-The-Air (FOTA) Enabled

Superior Performance, unprecedented reliability – Delivered through the N4A Spider SA Family

SPIDER SA-G+

MODEL NUMBERS

GSM1318

CHARACTERISTICS

Dimensions (L x W x H)
Weight
Housing
Antenna

63.5 x 63.5 x 23.9 mm
80 g
Plastic
SMA connector

RADIO PERFORMANCE

Frequency (MHz)
Sensitivity
Transmit power

850/900/1800/1900
-106 dBm (typical)
Class 4 (2W@850/900 MHz); Class 1 (1W@1800/1900 MHz)

PACKET DATA

Mode
Protocol
Coding schemes
Packet channel

Class B, Multislot 10
GSM/GPRS Release 97, AMR Release 99
CS1-CS4
PBCCH/PCCCH

GSM FUNCTIONALITY

Voice
CS data
GSM SMS

FR, EFR, HR & AMR
Asynchronous; Transparent and Non-Transparent up to 14.4 kb
Text, PDU, MO/MT, Cell Broadcast

INTERFACE

Host Protocols
Internal Protocols
API Control/Status
Physical interface
Peripheral interface

AT commands, UDP API, CMUX, PPP
PPP, UDP API, TCP API, UDP PAD, TCP PAD
AT commands, UDP API, TCP API, AT commands over SMS
RS-232C
8-pin I/O: Mic in, headset out, audio return, ground, input power, 2 user-defined I/O, and 1 dedicate output

SIM ACCESS

External; 1.8/3V with locking mechanism

ENVIRONMENT

Operating
Compliant
Storage
Humidity

-30°C to +70°C
-20°C to +60°C
-40°C to +85°C
Up to 95% non-condensing

POWER

DC voltage

6-40 V

GSM operating power (typical) @ 9VDC

Band	Mode	Avg (mA)	Peak (A)
GSM 850/900	1 TX/1RX	200	1.30
GSM 1800/1900	1TX/1RX	160	0.92
	Idle	50 DRX5	
	Sleep	20	

CERTIFICATIONS

FCC
GCF
PTCRB
Industry Canada
CE Mark
RoHS Compliant

Parts 15, 22 & 24
Version 3.37.0
Version 5.2
Yes
Yes
Yes

PART NUMBERS

GSM1318-50 with FOTA