

Enfora Enabler™ - IIG

GSM/GPRS

Triple-Band OEM Module

The Enfora Enabler™ IIG is a Fully Certified Triple Band OEM module containing all GSM/GPRS functionality required to create wireless products using global GSM/GPRS networks.

The Enfora Enabler™ IIG is designed to work as an embedded component in fixed, portable or handheld devices.

The Enfora Enabler™ IIG supports a comprehensive list of features including: Voice, SMS, Circuit Switched Data, GPRS Class 10 Data Integrated TCP/IP Software Stack, UDP (PAD) & Enfora's Event Driven I/O Engine.

Call your Enfora representative today or visit our website below.



www.enfora.com



GSM0107-00
Back View



GSM0107-01
Back View



GSM0107
Front View

Enabler IIG Characteristics

Dimensions: 46.1mm x 30.2mm x 3.1mm
RF Connector: Ultra Miniature Coaxial or On-Board Solder Pads
Main Connector: Molex 0.5mm Slim Stack 2.0mm Mating Height

Radio Performance

Radio Frequency: 900/1800/1900
Sensitivity: -106 dB (Typical)
Transmit Power: **Class 4**
(2W @ 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

SIM Access

Remote SIM: 3V SIM
Optional Integrated SIM Carrier

Part Numbers

GSM0107-00 (without SIM Carrier)
GSM0107-01 (with SIM Carrier)

Application Interface

Host Protocols: AT Commands, UDP/API, CMUX
Internal Protocols: PPP, UDP/API, UDP/PAD CMUX, TCP/PAD
API Control/Status: AT or UDP
Physical Interface: Serial 16550
Peripheral Interface: 8 Programmable I/O
2 Analog Inputs
1 DAC
3 Audio

Environment

Operating: -30°C to 70°C
Compliant: -20°C to 60°C
Storage: -40°C to 85°C
Humidity: Up to 95% non-condensing

Power

DC Voltage: 3.3 Vdc to 4.5Vdc
Direct Connect to Lithium Ion Battery (3.6Vdc)

GSM Operating Power (Typical)

Enabler IIG @ 3.6V		Avg	Peak
Band	Mode	(mA)	(A)@(dBm)
EGSM 900	1TX/1RX	230mA	1.70 @ 32.5
	1RX	105mA	
	Idle	<10mA	
DCS 1800& PCS 1900	1TX/1RX	175mA	1.00 @ 29.0
	1RX	105mA	
	Idle	<10mA	

For GPRS Operating Power see Enabler IIG Integration Guide GSM0107PB001

Certifications

FCC: Parts 15 & 24
GCF: Version 3.11
PTCRB: Version 2.9.1
CE Mark
Industry Canada (CSA)

Specifications subject to change without notice