

Enfora Enabler™ - G

GSM/GPRS Dual Band OEM Module

The Enfora Enabler™-G is a self-contained GSM/GPRS modem containing all functionality, including RF and digital control, required to perform wireless data transfer over a GSM/GPRS network.

The Enfora Enabler™-G is designed to work as an embedded component in portable and handheld computing devices.

Call your Enfora representative today or visit our website below.

www.enfora.com

Enabler - G

Dimensions: 67mm x 42mm x 5.4mm
2.65" x 1.65" x 0.21"
RF Connector: MMCX jack
Control Connector: 40-position, 1 mm Pitch
Female, Dual Row Header
Radio Performance MultiBand
Radio Frequency: 900/1800 MHz (EGSM/DCS)
1900 MHz (PCS)
Sensitivity: -108 dB (Typical)
Transmit Power: **CLASS 4**
(2 W @ 900 MHz)
CLASS 1
(1 W @ 1800/1900 MHz)
Slot Class: MS12 (4Rx/4Tx, 5 MAX)
(demonstrated @ MS10)

GPRS Packet Data

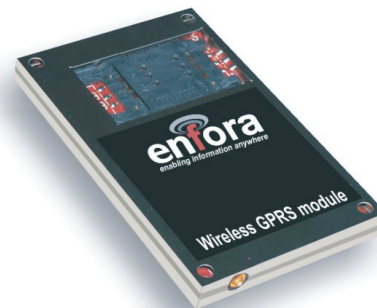
GSM/GPRS Mode: Class B and Multislot 12
Protocol: GPRS Release 97 and 99
SMG 31
Coding Schemes: CS1-CS4
Packet Channel: PBCCH/PCCCH
GPRS/SMS: Text, PDU, MO/MT

GSM Functionality

Voice: Full Rate, Enhanced full rate
and half rate
CS Data: Asynchronous, transparent
and nontransparent up to
9.6 KB/sec
GSM SMS: Text, PDU, MO/MT
cell broadcast
FAX: Group 3 (Class 2)

Application Interface

Host Protocol: AT Commands, UDP/API
Internal Protocol: PPP, UDP/API, UDP/PAD,
CMUX
Physical Interface: Serial 16550
Peripheral Interface: 8 programmable I/O
2 analog input
1 speaker output
1 microphone input



SIM Card

On Board SIM or Remote SIM Option
3 Volt SIM Interface

Environment

Operating Temperature: -20° to 60° C
Storage Temperature: -40° to 85° C
Humidity: 5 to 95%
non-condensing

Power

Requirements

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

GSM Operating Power

Enabler-G @ 3.6V		Avg	Peak
GSM 900	1TX/1RX	230 mA	1.25A @ 32.5 dBm
	1RX	105 mA	
	Idle	<5 mA	
DCS 1800 & 1TX/1RX		175 mA	1.00A @ 29.0 dBm
PCS 1900	1RX	105 mA	
	Idle	<5 mA	

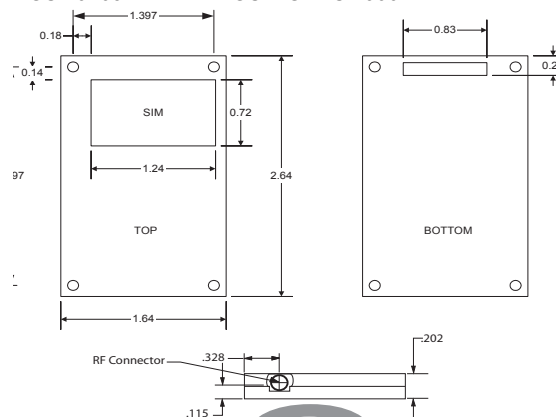
For GPRS Operating Power see Enabler-G Integration
Guide GSM0000PB001

Certifications

FCC: Part 24 and 15
Industry Canada (CSA)
CE Mark:
GCF: Version 3.5
PTCRB: Version 2.6
RTTE:

Part

GSM0102 GSM/GPRS 900/1800 MHz
GSM0103 GSM/GPRS 1900 MHz



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enabling information anywhere

* Specifications subject to change without notice.