

# Enfora Enabler - IIG

GSM/GPRS

Dual Band OEM Module

TECNOSEGUR



GSM0116-00  
Back View



GSM0116-01  
Back View



GSM0116  
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  
Sensitivity: -106 dB (Typical)  
Transmit Power: **Class 4**  
(2W @850 MHz)  
**Class 1**  
(1W @1800MHz)

## GPRS Packet Data

Mode: Class B, Multislot 10  
Protocol: GPRS Rel 97 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

GSM0116-00 (60 Pin without SIM Carrier)  
GSM0116-01 (60 Pin 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 (1 Digital Audio)  
Key Features: Real-Time-Clock (RTC)  
Event Engine Scripting  
Friends IP, Wakeup & Keep Alive

## 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)

Band	Mode	Avg (mA)	Peak (A)@(dBm)
GSM 900	1RX Idle	105mA <10mA	1.70 @ 32.5
DCS 1800	1TX/1RX Idle	175mA <10mA	1.00 @ 29.0

For GPRS Operating Power see Enabler-IIG Integration Guide GSM0116PB001

## Certifications

GCF: Version 3.11  
CE Mark  
RoHS Compliant (Lead Free)

Specifications subject to change without notice