

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