GPRS-100

Embedded GPRS Modem

Features

- Frequency band: 900/1800/1900 MHz
- 50-pin embedded modem
- General Packet Radio Service, (GPRS), Class 10
- Internet Services: TCP, UDP, HTTP, FTP, SMTP, POP3
- Power consumption
  - Power down 50 uA
  - Sleep mode 3 mA
  - GPRS Class 10 (average) 450 mA

RoHS COMPLIANT 2002/95/EC CE FCC

Introduction

GPRS-100 enables deployment across cellular networks and is designed to enhance industrial PCs with long-distance communication. It is a cost-effective, turnkey cellular solution.

Specifications

Tri-Band	GSM 900/1800/1900 MHz (MC55)
Output Power	Class 4 (2W) for EGSM 850
	Class 4 (2W) for EGSM 900
	Class 1 (1W) for GSM 1800
	Class 1 (1W) for GSM 1900
Control Via	AT commands (Hayes 3GPP TS 27.007 and 27.005)
SIM Application	Toolkit
TCP/IP Stack Access Via	AT commands
Supply Voltage Range	3.3 ~ 4.8 V
Power Consumption	Power down 50 uA
	Sleep mode (registered DRX = 5) 3.0 mA
	Speech mode (average) 260 mA
	GPRS class 10 (average) 450 mA
Temperature Range	Normal Operation: -20 ~ + 70° C
	Restricted Operation: -25 ~ + 75° C
	Switch off: + 80° C
	Storage: -40 ~ + 85° C
Interface	Hirose U.FL-R-SMT 50 ohm antenna connector
	Antenna solder pad
	Hirose 50-pin board-to-board connector
Dimensions	35 x 32.5 x 2.95 mm (incl. B-to-B-Connector: 3.1mm)
Weight	5.5g
Approval	R&TTE, GCF, CE, FCC, PTCRB, UL, IC
	Local approvals and network operator certifications

Packing List

Description	Quantity
Embedded Tri-band GPRS Modem	x 1

Ordering Information

Part Number	Specifications
968EMC0011	Embedded Tri-band GPRS Modem