

# Model ETM9300-1

## GSM/GPRS Terminal



The ETM9300 dual band GSM/GPRS modem is capable of transmitting data, short messages (SMS), and fax messages via the GSM/GPRS mobile network. Based on the Siemens MC39i module, it utilises the GSM/GPRS network for convenient and inexpensive data transfer from remote instruments, meters, computers or control systems.

### **Typical Applications Include;**

- ❑ Automated meter reading
- ❑ Remote access to data loggers or PLCs
- ❑ SMS messaging
- ❑ Remote access and/or alarm for security systems
- ❑ Vending machine data and or alarm

### **ETM9300-1 Features Include;**

- ❑ Dual-Band GSM/GPRS Connectivity
- ❑ GPRS Class 8 or 10
- ❑ 9DBF RS232 serial port
- ❑ RJ12 power connector
- ❑ FME M antenna connector
- ❑ 6v to 35v power input
- ❑ Internal watchdog timer
- ❑ -20°C to +55°C operating temperature range
- ❑ Short Messages (SMS)
- ❑ Circuit Switch Data (CSD)
- ❑ Fax

## General Features

- ❑ Siemens MC39i Module Inside
- ❑ Dual-Band GSM/GPRS 900/1800 MHz
- ❑ GPRS multi-slot class 10
- ❑ Compliant to GSM phase 2/2+
- ❑ Output Power:
  - ❑ Class 4 (2W) for EGSM900
  - ❑ Class 1 (1W) for GSM1800
- ❑ Control via AT commands
- ❑ SIM Application Toolkit (release 99)

## Specification for GPRS

- ❑ GPRS class 10: max. 85.6 kbps (DL)
- ❑ Mobile station class B
- ❑ PBCCH support
- ❑ Coding schemes CS 1-4

## Specification for CSD

- ❑ GSM data rate 14.4 kbps, V.110
- ❑ Non-transparent mode
- ❑ USSD support

## Specification for SMS

- ❑ Point-to-point MO and MT
- ❑ SMS cell broadcast
- ❑ Text and PDU mode
- ❑

## Interfaces

- ❑ RJ12 for power
- ❑ 9DF for RS232 Serial

## Power Requirements

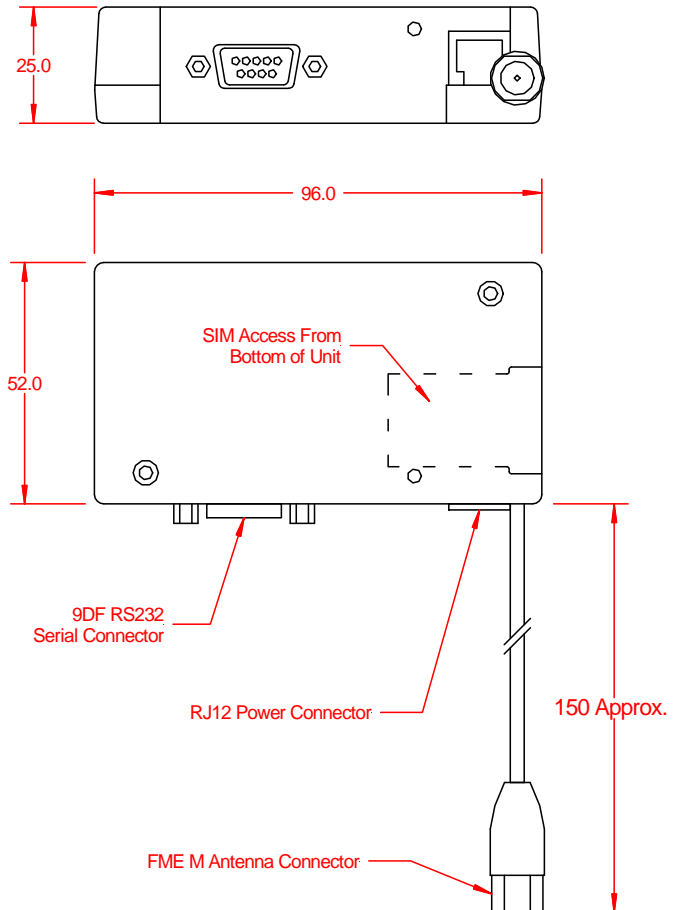
- ❑ Supply Voltage range +6VDC to +35VDC
- ❑ Average Power Consumption 300mA at 12VDC
- ❑

## Mechanical Specifications

- ❑ Dimensions 96mm x 52mm x 25mm
- ❑ Weight: 85g

## Operating Environment

- ❑ Operating Temp. Range: -20°C to +55°C



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