GSM Terminal GT900

Industrial GSM communication device

Highlights

- **Quad-band GSM/GPRS (850/900/1800/1900 MHz) terminal**
- **Based on Simcom SIM900 module**
- **RS232 DCE serial interface**
- **LED power supply indication**
- **LED GSM network indication**
- **Switch ON/OFF using DTR signal**
- **Voice port**
- **SMA 50Ω antenna connector**
- **Wide power supply range 8 to 30V DC**
- **Desktop aluminum case**
- **DIN 35mm rail mounting capability**

Description

DECODE GT900 is compact quad-band GSM/GPRS terminal which enables easy connection of user devices and PCs on GSM network. It is based on Simcom SIM900 module with integrated TCP/IP stack. Communication connector is standard DB-9 female plug with RS232 DCE interface. Antenna is connected on female SMA 50Ω connector. LED diodes on front panel indicates presence of power supply and GSM network. Device has wide power supply range, from 8 to 30V DC. GSM antena, RS232 cable, power supply foresaw for connecting to 220V AC socket i CD with user manual are included in package. Device is deleivered in desktop case, whilst by adding an optional adapter it can be mounted on DIN 35mm rail.

Application

DECODE GT900 terminal manages communication connection of electronic devices and systems over GSM network by using GPRS, CSD and SMS services. It is especially designed for remote convey and control of industrial processes, security systems, POS terminals, level indicators (gas, water, electricity...).
Typical applications::

- remote PLCs reading and control
- remote process convey
- paying on POS (point-of-sale) terminals
- vending machine convey
- traffic control
- device service and maintenance
- alarm systems

Technical specification

GSM	Simcom SIM900 Quad-Band 850/900/1800/1900 MHz Compliant with 3GPP GSM Phase 2/2+ standard Multiplexed RS232 interface AT command interface Power saving mode
GPRS	Class 10 (sending upto 42.8Kbps, reception upto 95.6Kbps) Coding scheme: CS-1, CS-2, CS-3 i CS-4 PAP protocol, TCP/IP protocol, PPP connection
CSD	2400, 4800, 9600, 14400 bps
SMS	Sending: MO (mobile originated), supported PDU and text mode Reception: MT (mobile terminated), supported PDU and text mode CBM (cell broadcasting message) SMS status report according to 3GPP TS 23.40
FAX	Group 3, class 1
Additional capability	Phonebook Call diverting Multiparty Real time clock, timer
Output power	Class 4 (2W at 900MHz) Class 1 (1W at 1800/1900MHz)
SIM card	Mini SIM, 1.8V/3.0V
Serial interface RS232	ITU-T V.24 / V.28, DCE configuration, DB9 female
Serial baud rate	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 bps 1 start bit 7 or 8 data bits Odd, Even and Non parity 1 or 2 stop bits
Antenna connector	SMA female, GSM 50Ω antenna with 3m cable included
Voice port	Optional, 3.5mm Headset Jack
LED indication	green – Power ON, red – GSM ON
Power supply	DC power supply, from 8 to 30V
Power supply connector	Pluggable screw clamp, 2.5mm^2
Power supply included	12V DC, 500mA max
Power consumtion	Standby 0.2W, max 2.5W
Dimension	86 x 57 x 26 mm (without connection blocks)
Weight	cca 100g
Protection	IP40
Temperature range	-20°C to +75°C, 0 to 95% RH (non condensed)
Mounting	Desktop case DIN 35mm rail mounting capability (optional adapter)

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