GSM Terminal GT340

Industrial GSM communication device

Highlights

- **Dual-band GSM/GPRS terminal (900/1800 MHz)**
- **uBlox SARA-G340 module**
- **RS232 DCE serial interface**
- **LED power supply indication**
- **LED GSM network indication**
- **Switch ON/OFF using DTR signal**
- **SMA 50Ω antenna connector**
- **Wide power supply range 8 to 30V DC**
- **Desktop aluminum case**
- **Mounting option on 35mm DIN rail**

Description

DECODE GT340 is compact dual-band GSM/GPRS terminal which enables easy connection of the user devices and PCs to the GSM network. It is based on uBlox SARA-G340 module with integrated TCP/IP stack. The micro SIM card is placed through the hole on the front panel of the device. Communication connector is standard DB9 female connector with RS232 DCE interface. The antenna connects to the female SMA 50Ω connector. LEDs on the front panel indicate the presence of the power supply voltage and activity of the GSM network. The device is powered by DC voltage in the range of 8V to 30V. Device is delivered in desktop case, but by adding an optional holder, it can be mounted on 35mm DIN rail.

Application

DECODE GT340 terminal enables the communication of electronic devices and systems over GSM network using GPRS, CSD and SMS services. It is specially designed for remote monitoring and control of industrial processes, security systems, POS terminals, level readers (gas, water, electricity...).

Typical applications include:

- remote PLC reading and control
- remote process monitoring
- paying at POS (point-of-sale) terminals
- vending machine monitoring
- traffic management
- device service and maintenance
- alarm systems

Technical specification

GSM	uBlox SARA-G340, Dual-Band GSM 900/1800 MHz Compliant with 3GPP GSM Phase 2/2+ standard Multiplexed RS232 interface, 3GPP TS 27.010 AT command interface, 3GPP TS 27.007 Power saving
GPRS	Multi-slot Class 10 (uplink 42.8Kbps, downlink 85.6 Kbps) Coding scheme: CS-1, CS-2, CS-3 i CS-4
CSD	Up to 9600 bps Transparent / Non-transparent mode, RLP protocol
SMS	Text and PDU mode supported MO (mobile originating), MT (mobile terminating) SMS indication and acknowledgement CBS (Cell Broadcast Service) SMS during circuit-switched calls SMS over CSD, PSD SMS storage on module memory and SIM card Concatenated SMS
FAX	Group 3, Class 2.0
Protocols	PAP, PPP, TCP/IP, UDP/IP, HTTP/FTP, SSL i TLS 1.2
Additional capability	Call Waiting, Call Forwarding, Multi-Party USSD (Unstructured Supplementary Services Data) RTC – real time clock, alarm
Output power	Class 4 (33 dBm, 2W for 900 MHz band) Class 1 (30dBm, 1W for 1800 MHz band)
SIM card	Micro SIM, 1.8V/3.0V
Serial RS232 interface	ITU-T V.24, DCE configuration, DB9 female
Serial baud rate	Auto baud rate detection - default 2400, 4800, 9600, 19200, 38400, 57600, 115200 bps
Data format	8N1 (8 data bits, No parity, 1 stop bit) - default 8N2 (8 data bits, No parity, 2 stop bits) 8E1 (8 data bits, Even parity, 1 stop bit) 8O1 (8 data bits, Odd parity, 1 stop bit) 7E1 (7 data bits, Even parity, 1 stop bit) 7O1 (7 data bits, Odd parity, 1 stop bit)
Flow control	Hardware - default, Software, None
Antenna connector	SMA female
LED indication	green – Power ON, red – activity of the GSM network
Power supply	DC power supply, from 8 to 30V overvoltage and reverse polarity protection
Power supply connector	Pluggable screw clamp, 3.5mm, 1.5mm^2
Power consumtion	Standby 0.2W, Max 2.5W
Dimension	88 x 58 x 28 mm (without connectors)
Weight	cca 100g
Protection	IP40
Temperature range	od -40°C do +85°C od 0 do 95% RH (non condensed)
Mounting	Desktop case Optional holder for 35mm DIN rail mounting

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Legal notice

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