

SPECIFICATIONS



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DESCRIPTION

UMTS/GSM gateway with female DB-9 connector for data transmission and SMS forwarding

IMAGE



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FUNCTIONS

Voice calls

Data transmission (RS-232 and CAN-bus standards; RS-485 optional)

Incoming text messages transmission towards devices wired in the DB-9 connector under RS-232 standard

Text messages transmission by devices wired into the DB-9 connector under RS-232 or CAN-bus standard

DTMF local programming

SMS remote programming

Caller number display service

CLIP / CLIR

Roaming service management

Battery check (low/dead/replaced battery notification via SMS)

External power failure control (failure/restore notification via SMS)

GSM network check (restore notification via SMS)

Relay-based notification of external power failure

Relay-based notification of UMTS/GSM network loss

Automatic converter of selected telephone number

Signal level check via local telephone or via SMS

Programmable telephone line voltage

Adjustable reception and transmission levels

Customizable timeout of post dialing

Automatic country setting

Automatic reboot under prolonged UMTS/GSM signal absence

Remote reboot

Firmware update OTA

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TECHNICAL FEATURES

Module:

UMTS/HSPA: dual band UMTS 900/2100 MHz

GSM/GPRS/EDGE: dual band GSM 900/1800 MHz

GSM signal indicator LED: green

GSM signal indicator flash: 1, 2, 3 or 4 for low, medium, good, high signal level

Status indicator LED: red

Line status indicator LED (FXS output: clear, engaged, ring) / Data transmission indicator LED: white

Power supply status indicator LED: blue

SIM card slot: 2FF, built-in

Telephone line connection: terminal block or connector RJ-11

Relay input: 24V 1A

Female DB-9 connector for data transmission (RS-232 and CAN-bus standard; RS-485 optional)

Micro USB A/B port for direct connection to the module (optional)

Antenna connector: SMA/f

Antenna: magnetic base antenna with cable (2 m) and SMA/m connector

Power adapter: input 230 Vac 50 Hz; output 12 Vdc 500 mA

POWER SUPPLY

Power supply: from 10 V to 17V (dc)

Power supply input: terminal block 12 Vdc / jack for 230 Vac external adapter

Back up battery: NiMH 800 mAh 7,2 V

Expected operation time with a new battery in idle state: 8 hours

Expected operation time with a new battery in conversation state: 1 hour

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ABSORPTIONS

| Power supply | 12 Vdc | 12 Vdc |
|---------------------------|---------------------------------|-----------------------------|
| | (back up battery not connected) | (back up battery connected) |
| Telephone handset hung up | 40 mA | 60 mA |
| Telephone handset lifted | 80 mA | 100 mA |
| Conversation | 130 mA | 150 mA |
| Data transmission | 90 mA | 110 mA |

OTHER DATA

Dimensions (antenna not included): 140x96x28 mm

Weight: 220 g

Ingress Protection Code: IP30

Operating temperature: -10 °C to +60 °C

Relative humidity: 20% to 80%

COMES WITH

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Antenna: magnetic base antenna with cable (2 m)

Adapter 230 Vac / 12 Vdc

Telephone connection cable: 2 m

Screws

User manual