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**RS232 GPRS MODEM: SPECIFICATION** :

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### **General features:**

- Quad-band: GSM 850, EGSM 900, DCS 1800, PCS 1900. The band can be set by AT COMMAND, and default band is EGSM 900 and DCS 1800
- GPRS multi-slot class 10
- Compliant to GSM phase 2/2+
- Transmit power:
  - Class 4 (2W) at EGSM900 and GSM850
  - Class 1 (1W) at DCS1800 and PCS 1900
- Control via AT commands
- SIM Application Toolkit
- Supply voltage range: 6 ... 30 V
- Temperature range
  - Normal Operation: -20 °C to +55 °C
  - Restricted Operation: -25 °C to -20 °C and +55 °C to +70 °C
  - Storage: -40 °C to +80 °C
- Dimensions: 98 x 54 x 25 mm (excluding connectors)
- Overall dimension: 110 x 54 x 25 mm
- Weight: 120 g
- Housing: Aluminium profiled

### **Specification for GPRS data transmission:**

- GPRS data downlink transfer: max. 85.6 kbps
- GPRS data uplink transfer: max. 42.8 kbps
- Mobile station class B
- Coding scheme: CS-1, CS-2, CS-3 and CS-4
- supports the protocols PAP (Password Authentication Protocol) usually used for PPP connections
- Integrates the TCP/IP protocol
- Support Packet Switched Broadcast Control Channel (PBCCH)

**Specification for CSD data transmission:**

- CSD transmission rates: 2.4, 4.8, 9.6, 14.4 kbps, non-transparent
- Unstructured Supplementary Services Data (USSD) support

**Specification for SMS:**

- MT, MO, CB, Text and PDU mode
- SMS storage: SIM card
- Support transmission of SMS alternatively over CSD or GPRS. User can choose preferred mode

**Specification for fax:**

- Group 3 Class 1

**Specification for voice:**

- Half Rate (ETS 06.20)
- Full Rate (ETS 06.10)
- Enhanced Full Rate (ETS 06.50 / 06.60 / 06.80)
- Echo suppression

**Interfaces:**

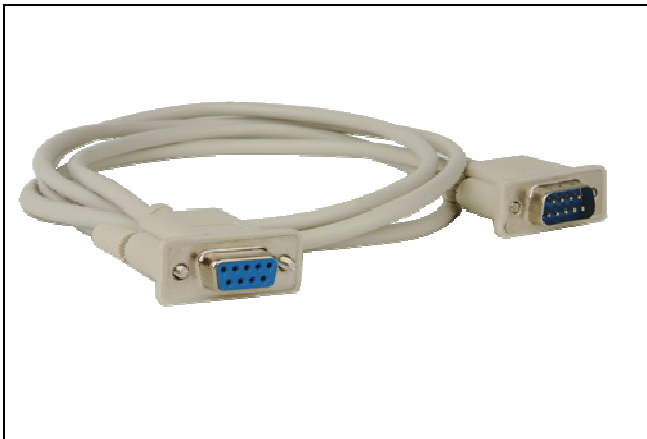
- Antenna connector SMA (female)
- Plug-in power supply
- Mini-SIM card reader (3V/1.8V SIM interface)
- V.24/V.28 interface on the 9-terminal sub-D socket
  - Autobauding supports baud rate from 1200 bps to 115200bps
- Operating status LED

**Include accessories:**

- antenna



- cable (9pin male to female, 1.5m)



- power supply (12V/1.25A AC/DC adaptor)

