

Q26 Terminal

The low power GPRS Quad Band Modem with USB 2.0 supporting the Wavecom & Sony Ericsson AT-Command-Set



Q26 Terminal is a self contained unit featuring the latest GSM/GPRS technology from Wavecom including new features like low power mode, USB connection and the possibility to support Wavecom and SonyEricsson AT-Commands.

Q26 Terminal is an excellent product for system integrators whose focus is on application development using a ready to use modem with standard connectors.

Benefits:

- The Quad Band functionality allows operation on all GSM-frequencies.
- The USB 2.0 and RS232 ports allow connectivity to all relevant PC's and control boards in office and industrial environments.
- GPRS class 10 allows fast data transfer on up to four simultaneous GPRS-downlink channels and up to two uplink channels.
- The included TCP/IP stack gives system integrators fast access to IP connections and supports FTP services just by using AT commands.
- The robust connectors and the professional housing allow the integration in tough environments such as vending machines, alarm systems or any other telemetry application.
- The extended temperature range from -30°C up to +80°C enables for integration in harsh environments.
- The input voltage range of up to 32V allows the integration in applications for telematic solutions.

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Technical Parameters:

- Quad Band
- TCP/IP stack, UDP, SMTP, FTP
- GPRS Class 10
- SMS and CSD
- RS232 serial port
- USB 2.0 interface
- Robust SIM card holder
- 3 Status LED (GSM)
- Multiplex Drivers for Linux
- Low Power Mode (1mA with GPRS connect)

Power Supply:

- 5-32V DC supply

Size, Temperature Range, Certificates:

- Overall dimensions (excluding connectors)
77 x 67 x 26 mm
- Weight ~ 100g
- Extended temperature range
-30°C to +80°C
- CE approval
- RoHS compliant
- Made in Germany

Optional Features:

- UMTS
- EDGE
- Open AT® Programmable (with 2 status LEDs)
- I/O variants available
- Audio
- SPI
- I2C

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Product Features

- Quad Band GSM/GPRS
- GSM 850/900 Power class 4 (~33dBm)
- GSM 1800/1900 Power class 1 (~30dBm)
- Mobile station class B
- Extended Measurement Reporting
- Compliant with 3GPP Release 99 Protocol Stack

Interfaces

- RS232 9pin DSub (autobauding)
- USB 2.0 via mini USB connector (autobauding)
- Power: 5 - 32VDC (RJ11)
- Antenna: 50 Ohm (FME male)
- SIM card reader: 1,8V/3V interface with SIM detection
- Control by AT commands (Hayes 3GPP TS 27.005 and 27.007)

Data Features

- GPRS Class 10: max. 86 kbps (DL), 54,6 kbps (UL)
- Multiple PDP contexts
- GPRS Coding Schemes CS1-CS4
- Mobile station class B
- PBCCH support
- Non-transparent CSD up to 14.4 kbps
- Modem Type; V21, V22, V22bis, V32, V34, V.110
- GSM supplementary services supported
- USSD (unstructured supplementary service data)
- GSM 27.010 Multiplexing Protocol
- Fax Group 3, Class 1

Short Message Service Features (SMS)

- Text and PDU mode
- Point to point mobile originated and mobile terminated SMS (MT/MO)
- SMS cell broadcast

Internet Protocol

GR64 plug in with TCP/IP protocol stack access via AT commands; multiple sockets with listening/server capability; IPv4 protocol; dynamic & static IP address allocation; TCP, UDP

Other Features

- SIM application toolkit
- 1 x LED for GSM status
- SIM phonebook
- Fixed Dialing Number (FDN)
- Real time clock + alarm time
- IRA character set (seven bit ASCII)
- Multiplex driver for Linux
- Character framing 7E1 and 8E1 at serial interface
- Programmable module reset
- SIM access profile integrated
- ARM9 controller

Project-based Variants

- Audio version
- EDGE variant
- UMTS variant
- Open AT® version
- I2C/SPI on 15pin connector with option to connect LAN adapter
- I/O variant with 4 digital inputs, 1 analogue input, 1 digital output and Open AT® programming

Accessories

- CEP **power supply** for GSM/GPRS Terminals
- **Antennas**
- **Cables for power, USB and RS232**

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Note: Specification is preliminary and subject to change without prior notice.