

CT63 Terminal

The low Power GPRS Quad Band Modem with USB 2.0 and full TCP/IP, internet capabilities

Features:

- Quad Band
- TCP/IP stack, UDP, SMTP, FTP
- GPRS Class 12
- SMS and CSD
- RS232 serial port
- USB 2.0 interface
- Robust SIM card holder
- Low Power Mode (1mA with GPRS connect)
5-32V DC supply
- Extended Temperature Range: -40°C to +80°C
- 1 Status LED (GSM)
- Multiplex Drivers for Windows and Linux
- CE approval
- RoHS compliant
- Made in Germany

Optional Features:

- USB Host powered 5Volt/500mA
- EDGE
- SPI
- I2C
- 2 LEDs for programmable version
- I/O variants available



CT63 Terminal

The CT63 Terminal is a self contained unit featuring the latest GSM/GPRS technology from Cinterion (formerly Siemens) including new features like low power mode, USB connection and a EDGE option.

CT63 Terminal is an excellent product for system integrators whose focus is on application development using a ready to use modem with standard connectors identical to the connectors from the TC35/MC35 Terminal.

Benefits

- 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.

- The GPRS class 12 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 -40°C up to +80°C enables for integration in harsh environments.
- The input voltage range of up to 32V allow the integration in applications for telematic solutions.

CT63 Terminal, the GSM/GPRS Quad Band Modem

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
- Power supply: 5-32 VDC
- Overall dimensions (excluding connectors):
77 x 67 x 26 mm
- Temperature range:
-40°C to +80°C (Operational)
- Weight: ~ 100g

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 12: max. 86 kbps (DL and 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
- GSM 27.010 Multiplexing Protocol
- USSD (Unstructured supplementary service data)
- Fax Group 3, Class1

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

- TCP/IP protocol stack access via AT commands
- Multiple sockets with listening/server capability
- IPv4 protocol
- Dynamic & Static IP address allocation
- Internet services: TCP, UDP, HTTP, FTP, SMTP, POP3

Other Features

- SIM Application Toolkit
 - 1 x LED for GSM status
 - SIM Phonebook
 - Fixed Dialling Number (FDN)
 - Real Time Clock + alarm time
 - IRA character set (seven bit ASCII)
 - Multiplex driver for Microsoft (R) Windows XP TM and Vista TM
 - Character framing 7E1 and 8E1 at serial interface
 - Programmable module reset
 - SIM Access Profile integrated
 - RLS Monitor (Jamming Detection)
 - M20 compatibility mode
 - Read out temperature of GSM module
 - Different operation modes for GSM LED
- Optional:**
- I/O variant with 4 digital inputs, 1 analogue input, 1 digital output and Java programming capability available for projects

Accessories

- CEP Power Supply for GSM/GPRS Terminals
- Antennas
- Cables for power, USB and RS232

CEP

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