CT63 Terminal

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

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 an 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:

- 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 12 allows fast data transfer of up to four simultaneous GPRS-downlink channels and up to four 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 allows the integration in applications for telematic solutions.

CEP
Aktiengesellschaft
Cellulare Produkte

CT63 Terminal

Technical Parameters:

- **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)**
- **1 Status LED (GSM)**
- **Multiplex Drivers for Windows and Linux**
- **Low Power Mode (1mA with GPRS connect)**

Power Supply:

- **5-32V DC supply**

Temperature Range, Certificates:

- **Overall dimensions (excluding connectors):**
  77 x 67 x 26 mm
- **Weight: ~ 100g**
- **Extended temperature range:**
  -40°C to +80°C
- **CE approval**
- **RoHS compliant**
- **Made in Germany**

Optional Features:

- **EDGE**
- **Programmable Java version (with 2 status LEDs)**
- **I/O variants available**
- **Audio interface**
- **SPI**
- **I2C**
- **USB host powered**
  5 Volt/500mA

CT63 Terminal - The GSM/GPRS Quad Band Modem with USB 2.0

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
- 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
- USSD (Unstructured supplementary service data)
- GSM 27.010 Multiplexing Protocol
- 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 aplication 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 as well as Linux
- 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

Project-based Variants

- Audio version
- USB powered version
- EDGE variant
- I2C/SPI on 15pin connector
- I/O variant with 4 digital inputs, 1 analogue input, 1 digital output and JAVA 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.