CT63

Quad band GSM/GPRS terminal for embedded M2M applications

The CT63 is a self-contained unit featuring the latest GSM/GPRS technology from Cinterion including special features like low power mode and support for USB 2.0 connection.

As a quad-band GSM terminal operating in all defined GSM frequency bands, it can be deployed on a worldwide basis.

The CT63 Terminal is an excellent product for system integrators who focus on application development using a ready to use modem, and that require standard RS232 as well as USB 2.0 interfaces.

With its low power consumption mode, the terminal is also suited for applications that require minimization of power consumption, e.g. when the power source is a rechargeable battery powered by solar panels.

Key Benefits
- Common support for RS232 and USB 2.0 based access to terminal functionality
- Low power consumption mode
- e1 automotive certification
- Wide operating temperature range

Key Features
- Quad band GSM terminal
- Cinterion AT command set
- RS232 interface
- USB 2.0 interface
- Ultra low power consumption mode

Sample applications
- Wireless interface for POS terminals without Audio support needed
- Smart metering applications
- Traffic Management applications

GSM / GPRS

- GSM / GPRS Frequency Band: Quad Band (850 / 900 / 1800 / 1900 MHz)
- GPRS Class: Class 12
- Coding schemes CS 1-4
- Mobile station class B
- Output power: Class 4 (+33dBm ±2dB) for GSM 850 / 900
- Output power: Class 1 (+30dBm ±2dB) for GSM 1800 / 1900
- Full PBCCH support

Mobile Network Features

- CSD: 14.4 kbps
- Fax Service: Fax Group 3, Class 1 & 2
- SIM Application Toolkit: Rel. 99, letter class "b", "c" and "e"

SMS Features

- SMS text, PDU mode
- PTP MO / MT SMS
- SMS cell broadcast

TCP/IP Stack

- TCP/IP stack access via AT commands and transparent TCP service
- Internet services: TCP, UDP, HTTP, FTP, SMTP, POP3, Ping
- Secure data transmission with HTTPS, SSL and PKI
- TLS for IP over AT

Special features

- Easy Scan: Informal Network Scan
- Real-time clock
- Temperature Management
- Tunneling mode
- RLS Monitoring (Jamming detection)

Software

- AT Command Support: Hayes, TS 27.007 and 27.005, Cinterion custom AT
- Firmware Update: USB/Serial
- Multiplex Driver Mircosoft® Windows and Linux
- RIL driver for Microsoft® Windows CE™ based devices
- Serial interface modem for Microsoft® Windows 7™/XP™/Vista™

Interfaces

- RS232 Interface: D-Sub (9-pin)
- Antenna: FME
- USB 2.0: Mini-USB
- Robust 1,8/3 Volt SIM Card Holder
- LEDs: 1 GSM

Electrical Characteristics

- Voltage Range: 5V - 32V
- Standby (@ 12V): ~12 mA (*)
- Low Power Mode (@ 12V): ~1 mA (*)

Hardware Characteristics

- Operating Temperature: -40°C to +80°C
- Size: 77x66x26 mm
- Weight: 80g

Certificates

- CE
- e1

Optional Features

We can develop customized terminals according to your specialized requirements. Please contact your local sales representative or our headquarters to discuss your requirements.

(*) Measurement (including peaks) averaged over a 1 min interval.

Accessories (exemplary)

Power Supply

RS232 Cable

DIN Rail

Stub Antenna

Rectangular Antenna

Roof Antenna

Magnetic Antenna

Version 1.0-06/2013
Product specifications are subject to change without prior notification.