

# CT63 NG

## Quad Band GSM/GPRS Terminal for M2M / IoT Applications

The CT63 NG is a compact industrial-grade M2M Terminal featuring the latest GSM/GPRS technology based on the Gemalto module BGS5.

The CT63 NG Terminal is the device of choice for system integrators who require a ready-to-use solution for their M2M applications and which can be deployed on a worldwide basis. The device supports key interfaces such as RS232, USB 2.0 as well as inputs/outputs, and provides also a runtime environment for Java-based applications.

With its low power consumption mode, the CT63 NG terminal is also suited for power-optimized applications, e.g. when the power source is a rechargeable battery powered by solar panels.

### Key Benefits

- Support for RS232 and USB 2.0 to support connection to a wide range of external controller hardware
- Realize on-board applications using the integrated Java runtime environment
- Low power mode for battery driven applications
- Designed for industrial applications which require e.g. a wide operating temperature range

### Key Features

- Quad band GSM/GPRS terminal
- AT command set from Gemalto
- Java runtime environment
- FOTA
- RS232 & USB 2.0 interfaces
- Low power consumption mode

### Sample Applications

- Wireless interface for POS terminals and other vending machines
- Smart metering applications
- Intelligent Traffic Management applications



## Air Interface

- 2G Frequency Band: 850 / 900 / 1800 / 1900 MHz
- GPRS Class: Class 12
- Output Power:
  - Class 4 (2W) for GSM850/GSM900
  - Class 1 (1W) for GSM1800/GSM1900
- CSD: Up to 9.6 kbps,
- V.110, RLP, non-transparent
- USSD
- SMS: Point-to-point MT and MO, Text and PDU mode, Cell Broadcast
- Jamming Detection

## Software

- Gemalto standardized and extended AT commands (Hayes, TS 27.007 and 27.005)
- Programming Language: Java profile IMP-NG & CLDC 1.1 HI
- TCP/IP Stack: Access via AT commands and transparent TCP services
- SW Update: Serial / USB / FOTA

## Interfaces / Connectors

- Antenna: 1x (FME Male)
- RS232: 1x (Sub-D9 Female)
- RS485: Optional (Sub-D9 Female, replaces RS232)
- USB 2.0: 1x (Mini-USB)
- Analog Inputs: 1x (RJ11 connector)
- Outputs: 1x (RJ11 connector)

## Hardware Features

- Wireless Module: Gemalto BGS5
- Memory: 5 MB RAM / 10 MB Flash
- SIM Card Holder: 1x (1,8/3 Volt)
- LEDs: 1 GSM + 2 Configurable
- Real-time Clock with alarm functionality
- Type Approvals: CE

## Power Management

- Voltage Range: 5V - 32V
- Power Consumption (Standby): 15,7 mA (@12V)
- Power Consumption (Low Power Mode): 1,3 mA (@12V)
- USB Host Powered: Optional

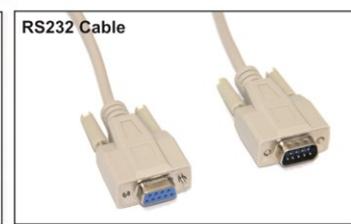
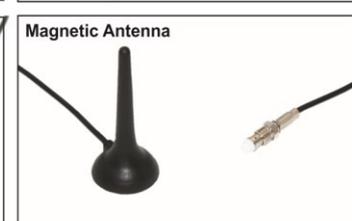
## Hardware Characteristics

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

## 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.

## Accessories (exemplary)

<p>Power supply</p> 	<p>RS232 Cable</p> 	<p>DIN Rail</p> 	<p>Stub Antenna</p> 
<p>Rectangular Antenna</p> 	<p>Roof Antenna</p> 	<p>Magnetic Antenna</p> 	<p>Version <b>1.3-11/2015</b>          Product specifications are subject to change without prior notification.</p>  <p><b>CEP</b> Raiffeisenallee 12b          82041 Oberhaching          Tel.: +49 89 450 292 0          Fax: +49 89 450 292 22          info@cepag.de          www.cepag.de</p>