



KT 100Quick LOG

"Completely integrated radiolocation unit without battery back up"

Radiolocation unit highly integrated, joining sophisticated features to outstanding price to performance ratio and top class reliability and quality degree. Its architecture makes it especially suited for applications in those sectors where integration and low-cost installation are key factors. Its features make it suitable for entry point applications where continuous tracking and real time position request are a must.



PART LIST

- > N.01 Complete module with integrated GPRS phone, GPS receiver and GSM, GPS integrated antennas
- > N.01 Set of cables
- > User's and installation manuals

MAIN FUNCTIONS

- ECE 97 Directives Approvals.
- R&TTE Full Type Approved.
- SMS, Data and GPRS communication channels.
- Call ID no cost communication capability.
- Location either via GPS or GSM network as a back-up.
- Time management based on GPS or internal clock.
- Optimised consumption (programmable)
- Firmware upgradability from remote (OTA)
- Fully teleconfigurable logical functions and procedures, making use of system resources.
- Extended logical functions capability (32) also for autotesting configurations with immediate activation and easy implementation of complex procedures for any kind of application
- Flexible management of communication channels.
- Dynamic and programmable management of a wide capacity memory (over 10,000 records, including I/O and logical statuses)
- Programmable average consumption levels, down to 2mA.
- Built-in "Black box" functions with programmable recording strategies and air time costs optimisation.
- Multiple area fencing capability, fully programmable.
- Automatic route and area control, fully programmable separately.
- Programmable current position displacement control.
- Driven distance measurement capability.
- Driven time measurement capability, fully programmable.
- Average and maximum speed reports, referred to a programmable predefined route.

TECHNICAL CHARACTERISTICS

- Dimensions: L135 W 77 H15 mm
- External power supply: **12 Vdc**
- Consumptions:
 - > Operation mode: < 104 mA (GPS e GSM powered-on)
 - > Stand-by mode: < 20 mA (GPS off e GSM in "idle mode")
 - > Sleep mode: < 2 mA (GPS e GSM off and keeping logic activated)
- Integrated phone:
 - > GSM /GPRS quad band (850, 900, 1800,1900)
 - > Type 2,5G
 - > Power Class : 4 for GSM / EGSM bands
 - > Power Class : 1 for DCS / PCS bands
 - > Data communication: 9600 baud and/or by SMS
 - > GPRS class 10 - protocol TCP/IP or UDP (optional)
 - > Integrated GSM quad band antenna, 1 dBi Gain, 50 ohm Impedance
- Integrated GPS receiver:
 - > High-speed acquisition 50 channels
 - > Time to acquisition:
 - Cold start = 27 seconds
 - Warm start = 27 seconds
 - Hot start = 1 second
 - Navigation Update frequency = 1 Hz
 - > Protocol: NMEA 0183 standard
 - > Sensitivity: -162 dBm
 - > Assistable
 - > Integrated GPS Passive patch antenna with LNA, 3 dBic Gain
- Inputs:> 1 digital input, with positive activation(+15), protected as per ISO 7637
- Integrated vibration sensor for displacement function
- Serial ports:
 - > Coded KT Code (KFT proprietary protocol), with remote notification of attach
- SIM card reader: > Integrated
 - > Sim chip compatible
- Firmware: Updatable **OTA** in GSM/GPRS connection and in local via serial port
- Temperature range: -40 ÷ +85 C°
- 16 Bit Micro processor: Freescale HCS12 family
 - > Flash = 512 KB
 - > RAM = 32 KB
- Testing: by 2 LED on board or by external display (optional)
 - > Green LED and +15 for GSM status - network status and communication mode
 - > Red LED and +15 for GPS status - acquisition and position

HOW TO ORDER

KT 100QuickLOG: KT100 unit with integrated GPRS quad band phone, GPS receiver and integrated antennas. Version 7.0.

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* The manufacturer has the right to modify any construction detail without prior notice

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