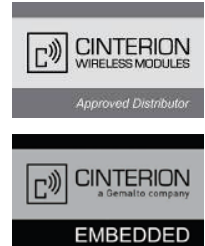


# MTX-65i-RS485LC Terminal

Intelligent Java enabled applications RS485 GSM/GPRS Terminal



Powered by CINTERION Wireless Module TC65i.

Self-Contained Unit

Quad Band GSM

GPRS Class 12

1 RS485  
1 RS232 serial port

USB port

Wide and useful range of I/O

Integrated TCP/IP Stack

JAVA applications

## MTX-65i-RS485LC TERMINAL

The MTX-65i-RS485LC terminal is an intelligent GSM/GPRS terminal that encapsulates everything you need in one compact plug-and-play unit. With its small size, all of the standardized connector interfaces and its own SIM card reader, it minimises the need for further hardware components and facilitates integration.

The MTX-65i-RS485LC includes Java embedded programmability, a full range of I/Os and can operate with AT commands like a normal modem.

The Quad Band functionality allows you to operate in all relevant GSM frequencies.

Embedded application: The MTX-65i-RS485LC compact self-contained unit can host and control your Java J2ME application in conjunction with the SDK package, allowing you to develop and embed your code directly onto the MTX65i, shortening time to market and reducing costs. The MTX65i has automatic power restart in case of any power faulty conditions.

The RS485 and RS232 ports allow connectivity to PCs, control boards and other peripherals like GPS, Bluetooth, RFID or other devices.

The MTX-65i-RS485LC terminal is an all-in-one solution enabling voice, SMS, fax, data and GPRS with its powerful TCP-IP stack communication and Internet Services: TCP, UDP, HTTP, FTP, SMTP, POP3.

MTX-65i-RS485 is RoHS & WEEE compliant. It is manufactured with the ISO 9001 & ISO 14001 Quality certifications.

A full list of antennas, cables, supplies and accessories are available.

**General features:**

- Quad-Band GSM 850/900/1800/1900 MHz
- GPRS multi-slot class 12
- GSM release 99
- Output power:
  - Class 4 (2 W) for EGSM850 & EGSM900
  - Class 1 (1 W) for GSM1800 & GSM1900
- Control via AT commands (Hayes 3GPP TS 27.007 and 27.005)
- SIM Application Toolkit (release 99)
- TCP/IP stack access via AT commands
- Internet Services: TCP, UDP, HTTP, FTP, SMTP, POP3
- Supply voltage range: 6 ... 30 V
- Power modes
  - Power down
  - Sleep mode
  - Idle mode
  - Airplane mode
- Temperature range
  - Operation: -30°C to +75°C
  - Storage: -40°C to +85°C
- Dimensions. Excluding connectors: 78.1 x 66.8 x 37.2 mm
- Weight: < 190 g

**Interfaces:**

- FME M 50 Ohm antenna connector
- Main Port: 15-way HD-Dsub:
  - 1 GPIO
  - 2 Analog Input
  - 1 x 4-wires RS232
- Terminal block 2 position RS485
- USB 2.0 port
- Operating status LED + general purpose LED
- SIM card interface 3 V, 1.8 V
- Plug-in power supply

**Specification for GPRS data transmission:**

- GPRS class 12
- Mobile station class B
- PBCCCH support
- Coding schemes CS 1-4

**Specification for CSD data transmission:**

- Up to 14.4 kbit/s
- V.110
- Non-transparent mode
- USSD support

**Specification for SMS:**

- Point-to-point MO and MT
- SMS cell broadcast
- Text and PDU mode

**Open application resources**

- ARM9© Core, Blackfin© DSP
- Memory: 400 KB (RAM) and 1.7 MB (Flash)
- Improved power-saving modes
- Internal Watchdog

**Java™ features**

- CLDC 1.1 HI
- J2ME™ profile IMP-NG
- Secure data transmission with HTTPS, SSL and PKI

**Over-the-air update**

- Application SW: OTAP and incremental OTAP
- Firmware: FOTA (OMA compliant)

## Ordering information:

MTX-65i-RS485LC: **199.801.123****Matrix Electronica S.L.**

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