

MTX-65i-RS485 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-RS485 TERMINAL

The MTX-65i-RS485 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-RS485 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 it to operate in all relevant GSM frequencies.

Embedded application: The MTX-65i-RS485 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 MTX-65i, shortening time to market and reducing costs. MTX-65i has automatic power restart in case of 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-RS485 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 and supplies 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:
 - 2 Optoisolated digital inputs
 - 2 Optoisolated digital outputs
 - 1 GPIO
 - 2 Analog Input
 - 1 x I2C bus
 - 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

Ordering information:

MTX-65i-RS485: **199.801.133**

Specification for GPRS data transmission:

- GPRS class 12
- Mobile station class B
- PBCCH 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)

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