

Mtx63i/65i/75i Terminal



Powered by CINTERION Wireless
Module TC63i, TC65i, MC75i.

Self Contained
Unit

Quad Band GSM

GPRS Class 12

2 RS232 serial
ports

USB port

Wide and useful
range of I/O

Integrated
TCP/IP Stack

MTX65i: JAVA
applications

MTX63i/65i/75i TERMINAL

The MTX63i-MTX65i-MTX75i terminal is an intelligent GSM/GPRS/EDGE terminal that encapsulates everything you need in one compact plug-and-play unit. Together with its small size and all the standardized connector interfaces, with its own SIM card reader minimise the need for further hardware components and makes it easy to integrate..

MTX63i is a simple Quadband GSM-GPRS class 12
MTX65i is same as MTX-63i module, but include Java embedded programmability and full range of I/Os.
MTX75i is same as MTX63i but can operate also in EDGE network.

The Quad Band functionality allows operation in all relevant GSM frequencies.

Embedded application: The MTX65i compact self-contained unit can host and control your Java J2ME application in conjunction SDK package, allowing developing and embedding your code directly onto the MTX65, shortening time to market and reducing costs. The new internal Watchdog supervisor avoids hangs-up.

The USB and RS232 ports allow connectivity to PC's, control boards and other peripherals like GPS, Bluetooth, RFID or other devices.

The MTX63i/65i/75i terminal is an all-in-one solution enabling voice, SMS, fax and data, and GPRS with its powerful TCP-IP stack communication with Internet Services: TCP, UDP, HTTP, FTP, SMTP, POP3.

MTX63i/65i 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 (**only MTX65i**)
- 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
- Expansion Port: 15-way HD-Dsub:
 - o 4 Digital Input/Output
 - o 2 Analog Input
 - o 1 x I2C/SPI bus
 - o 1 x 2-wires RS232 UART
- 9 pin sub-D connector for serial interfaces (ITU-T V.24 protocol)
- USB 2.0 port
- Operating status LED
- SIM card interface 3 V, 1.8 V
- Plug-in power supply
- Handset audio interface

Ordering information: MTX-63i 199.801.115

Ordering information: MTX-65i: 199.801.116

Ordering information: MTX-75i: TBD

Specification for EDGE (only MTX75i)

- Multislot Class 12
- Mobile Station Class B
- Modulation and Coding Scheme MCS 1-9

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

Specification for fax:

- Group 3, class 1, 2

Specification for voice:

- Triple-rate codec for HR, FR, and EFR
- Adaptive multi-rate AMR
- Basic hands-free operation
- Echo cancellation, Noise reduction

Open application resources (only MTX65i)

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

Java™ features (only MTX65i):

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

Over-the-air update (only MTX65i):

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

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