

MTX63/65 TERMINAL

INTELLIGENT, POWERFUL, FLEXIBLE AND SIMPLE GSM TERMINAL IN A BOX

Powered by SIEMENS Wireless Module TC63 or TC65

Approved Partner

Wireless Modules



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

MTX65: JAVA applications

MTX63/65 TERMINAL

Intelligent

The MTX63-MTX65 terminal is an intelligent GSM/GPRS 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.

MTX65 is same as MTX-63 module, but include Java embedded programability and full range of I/Os

Powerful

The MTX65 compact self-contained unit can host and control your Java J2ME application in conjunction SDK package, allowing to develop and embed your code directly onto the MTX65, shortening time to market and reducing costs.

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

Flexible

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

Simple

The MTX63/5 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

MTX63/5 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.

www.matrix.es/mtx-terminals

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 consumption (at 12 V):
 - Power down 0,5 mA
 - Sleep mode (registered DRX = 5) 29 mA
 - Speech mode (average) 184 mA
 - GPRS class 12 [Power reduction = 6dB] (average) 330 mA
- 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 and on/off interfaces
- Handset audio interface

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 MTX65)

- ARM® Core, Blackfin® DSP
- Memory: 400 KB (RAM) and 1.7 MB (Flash)
- Improved power-saving modes

Java™ features (only MTX65):

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

Over-the-air update (only MTX65):

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

Matrix Madrid	Matrix Barcelona	Matrix Bilbao	Matrix Valencia
Matrix Electronica S.L. C/ Alejandro Sánchez, 109 28019 - Madrid España Tel. +34 91 5602737 Fax. +34 91 5652865 matrix@matrix.es	Matrix Electronica S.L. Pol. Ind. Can Rosés Nave 109, Of. 6-9 08191 – Rubí - Barcelona España Tel. +34 93 5882137 Fax. +34 93 5886172 aps@matrix.es	Matrix Electronica S.L. Zubibitarte, 11 48220 Maitena - Abadiano - Vizcaya España Tel. +34 902 198146 Fax. +34 91 5652865 bilbao@matrix.es	Matrix Electronica S.L. C/ Francesc Eiximenis, 13 46136 – Museros - Valencia España Tel. +34 902 99 54 14 Fax. +34 915 65 28 65 valencia@matrix.es
Matrix Andalucia	Matrix Lisboa	Matrix Paris	Matrix Toulouse
Matrix Electronica S.L. Sevilla España Tel. +34 95 5600020 Fax. +34 91 5652865 andalucia@matrix.es	Lusomatrix, Lda Av. Coronel Eduardo Galhardo, 7, 1º 1170-105 Lisboa Portugal Tel. +351 218162625 Fax. +351 218149482 comercial@lusomatrix.pt	Fleximatrix Electronique 10, avenue du Québec BP 116 - Villebon sur Yvette 91944 Courtaboeuf cedex France Tel. +33 (0) 1 60924292 Fax. +33 (0) 1 69290919 ventes@fleximatrix.com	Fleximatrix Electronique Toulouse France Tel. +33 (0) 561420199 Fax. +33 (0) 169290919 ventes@fleximatrix.com

Ordering information: MTX-63: 199.801.092
Ordering information: MTX-65: 199.801.094