

MTX-H25 UMTS/HSDPA Terminal

Boosting Your Radio Communications Across The World

Powered by SIEMENS Wireless Module HC25

Approved Partner

Wireless Modules

SIEMENS



HSDPA 3.6 Mbps

Triple Band
UMTS/HSDPA
850//1900/2100
Mhz

Quad Band GSM
850/900
1800/1900 MHz

EDGE class 10
GPRS class 10

USB port

Audio analog port

RIL/NDIS driver

When your application needs to receive data up to 3.6 Mbps download or transmit up to 386Kbps the MTX-H25 terminal is the solution based on HSDPA technology.

The HSDPA (High Speed Downlink Packet Access) is a transmission standard based on the UMTS network which allows a download speed of up to 3.6 Mbit/s. The technology therefore enables services like broadband internet and e-mail access, high-speed download of large data files and streaming of videos or music.

The MTX-H25 is a complete terminal that encapsulates everything you need in one compact plug-and-play unit. The integration is almost not needed because it has its own SIM card reader and a USB port, minimizing the need for further hardware components.

The MTX-H25 is controlled via AT commands and standard interfaces such as USB 2.0 full speed and RIL/NDIS driver.

When UMTS-HSDPA network operation is not present, the MTX-H25 can operate in EDGE class 10 max. 236,8 kbps (DL), max. 118 kbps (UL) or in GPRS class 10: max. 85.6 kbps (DL), max. 42.8 kbps (UL)

The MTX-H25 can also work in simple CSD data transmission (GSM data rate 14.4 kbps, V.110, UMTS data rate 57.6 kbps V.120) as well Short Messaging (SMS), and FAX specifications. It has also an analogue interface and capable to make a voice communication call.

MTX-H25 is RoHS & WEEE compliant and 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:

- HSDPA 3.6 Mbps
- Tri-Band UMTS/HSDPA (WCDMA/FDD) 850/1900/2100 MHz
- Quad-Band GSM 850/900/1800/1900 MHz
- EDGE (E-GPRS) multi-slot class 10
- GPRS multi-slot class 10
- UMTS/HSDPA 3GPP release 5
- GSM 3GPP release 99
- Output power:
 - Class 4 (2 W) for GSM900
 - Class 3 (0.25 W) for UMTS/HSDPA
 - Class E2 (0.5 W) for EDGE900
 - Class E2 (0.4 W) for EDGE1800
 - Class 1 (1 W) for GSM1800
- Control via AT commands (Hayes 3GPP TS 27.007 and 27.005)
- Power consumption:
 - Power down 50 µA
 - Average Supply Current < 970mA (HSDPA data transfer)
- Temperature range
 - Normal Operation: -20°C to +65°C
 - Restricted 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
- Supply voltage range: 6 ... 30 V

Interfaces:

- FME M 50 Ohm antenna connector
- USB 2.0 full speed interface
- Operating status LED bi-color
- SIM card interface 3 V, 1.8 V
- Plug-in power supply and on/off interfaces
- Handset audio interface

Special features:

- Improved power-saving modes
- NDIS/USB driver for Microsoft® Windows® XP
- RIL/NDIS/USB driver for devices based on Microsoft® Windows Mobile™5.0 and its successor
- Firmware update via USB

Specification for HSDPA data transmission:

- HSDPA: max. 3.6 Mbps (DL), max. 384 kbps (UL)
- UE CAT [1-6], 11, 12 supported
- Compressed mode according to 3GPP TS25.212

Specification for UMTS data transmission:

- UMTS: max. 384 kbps (DL), max. 384 kbps (UL)

Specification for EDGE data transmission:

- EDGE class 10: max. 236,8 kbps (DL), max. 118 kbps (UL)
- Mobile station class B
- Modulation and coding écheme MCS 1-9

Specification for GPRS data transmission:

- GPRS class 10: max. 85.6 kbps (DL), max. 42.8 kbps (UL)
- Mobile station class B
- Full PBCCH support
- Coding schemes CS 1-4

Specification for CSD data transmission:

- GSM data rate 14.4 kbps, V.110
- UMTS data rate 57.6 kbps V.120
- RLP (Non-transparent mode)

Specification for SMS:

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

Specification for voice:

- Triple-rate codec for HR, FR and EFR
- GSM & 3GPP: Adaptive multi-rate AMR
- DTMF supported
- CEPT/ANSI supervisory tones supported
- Handset, Headset, Handsfree modes
- TTY supported

Ordering information: MTX-H25: 199.801.090 firmware 02.050

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, 1ºC 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