

#WeAreConnectivity SMART SOLUTIONS FOR A CHANGING WORLD

MTX-DIN Industrial applications DIN rail M2M modem

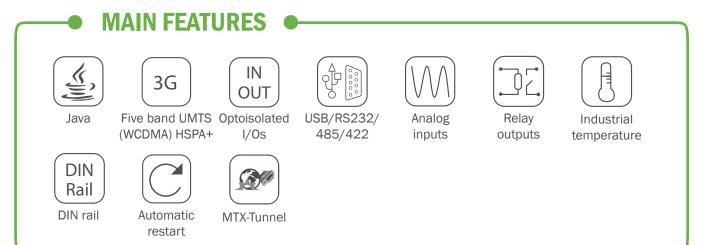
The MTX-DIN family are a new UMTS/HSPA modems designed for industrial environments due to its extended operating temperature range. It has an intrinsic and powerful TCP/IP communication stack with Internet Services.

The MTX-DIN is sized in DIN 9 modules for DIN rail housing, with the necessary interfaces for industrial applications, a SIM card reader, auto power-on, USB, SPI/I2C, serial ports.

The MTX-DIN includes Java embedded programmability and a full range of I/Os. It can host and control your Java J2ME application allowing you to develop and embed your code onto the terminal to reduce costs by avoiding external components. It uses SMD technology.

It is compatible with MTX-Tunnel, optional firmware that can be executed in our modems to use them as powerful GPRS or 3G gateways.





✔ DC: 12V (9-30) AC: 24V (12-24)
 Ⅰ Temperature range: -30° to +80°C
 □ Dimensions: 157x86x58mm

✔ Weight: <300gr</p>

Preliminary Datasheet. Subject to changes | 2017/09 MTX © by MATRIX ELECTRONICA S.L.U. SUPPORT: iotsupport@mtxm2m.com SALES: info@mtxm2m.com mtxm2m.com

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HARDWARE FEATURES

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| | MTX-DIN 3G | MTX-DIN 2G |
|-----|--|---|
| | Five bands UMTS (WCDMA/FDD); bands: 800, 850, 900, 1900 & 2100MHz. Quad band GSM; bands: 850, 900, 1800 & 1900MHz | Quad band GSM: 850, 900, 1800, 1900MHz |
| 3G | HSDPA cat.8/HSUPA cat.6 data rates: DL max. 7.2 Mbps, UL max. 5.76 Mbps | |
| 2G | EDGE class 12 data rates: DL max. 237 kbps, UL max. 237 kbps GPRS class 12 data rates: DL max. 85.6 kbps, UL max. 85.6 kbps | GPRS class 12 data rates: DL max. 86 kbps, UL max. 86 kbps |
| CSD | CSD data transmission up to 9.6 kbps, V.110, non-transparent | CSD data transmission up to 9.6 kbps, V.110, non-transparent |
| SMS | SMS text messages | SMS text messages |

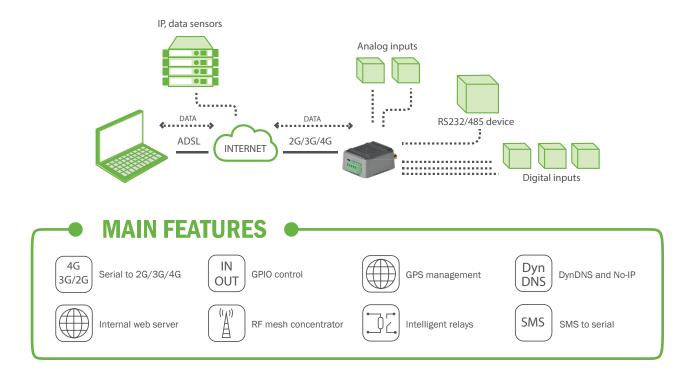
Interfaces

General Features

| | SIM application toolkit, 3GPI | P release 99 | | GSM FME M antenna connector | |
|---|--------------------------------------|------------------|----------|--|--|
| >_ | Control via AT commands | | | USB 2.0 | |
| >_ | TCP/IP stacks access via AT | commands | | SIM card interface 1.8V and 3V | |
| | Internet services: TCP, UDP, POP3 | HTTP, FTP, SMTP, | | Plug-in 52-way (45 usable) 5mm pitch terminal block: 2x optoisolated I/O, 4x opto I, 2x analog I, 1x SPI bus, 2x RS232/422/485 | |
| Special Features USB interfaces support composite modes | | | | configurable ports, 4x form C switching contact relays, speaker and microphone signals available (not amplified) | |
| Ŷ | and Linux/Mac compliant m | | $\dot{}$ | | |
| | Firmware update via USB/R | 5232 | | Operating status LEDs | |
| | | | Java | Java Features | |
| \bigcirc | Real Time Clock with alarm f | functionality | (V) | Oracle Java ME embedded 3.2 | |
| | Multiplexer according 3GPP TS 27.010 | | | Compliant to CLDC 1.1 HI and IMP-NG standards | |
| | RLS monitoring (jamming de | tection) | () I | Capable of running multiple MIDlets in parallel with inter-MIDlet communication | |
| | Informal network scan | | (j) | Java standard APIs: JSR75 (FileConnection), JSR177 (CRYPTO), JSR280 (XML) | |
| Ordering Information | | | (L) | Accessible periphery for Java applications: IO pins, I2C, SPI interfaces, ADC/DAC, serial interfaces (API): ASCO, ASC1, USB | |
| MTX-DIN-3G 199801139 | | | | | |
| MTX-DIN-2G 199 | | 199801103 | (C) | Memory space for Java applications: Flash File System: 8MB, RAM: 6MB, Just-in-Time (JIT) Compiler execution optimization | |



TUNNEL SOFTWARE FEATURES



Connectivity

Send SMS alarm when the level of digital 2G/3G/4G serial gateways: TCP client, TCP M 4G 3G/2G input change server, UDP client/server, accept incoming CSD calls, up to 2 simultaneous tunnel SMS SMS can be sent to up 10 remote users GPRS connectivity mode: permanent 100% (A) time, under request (SMS, missed call), >_ Execute remote AT commands change on a digital input, analog input out of level, serial data on RS232/RS485 port, 72 Change the status of digital outputs & relays scheduled date/hour/time SMS Alias method is allowed **TCP Services** Web server and Telnet Solutions for Dynamic IP Remote access by web browser "Å" GPRS session using a SMS or missed call Dyn DNS ۱۸۸ Shows the status of digital and analog inputs DynDNS and NoIP 30 Change digital output level and relays Private DNS >____ Execute AT commands remotely Metering, Modbus, Sensors... 868 MHz remote monitoring sensors <u></u> **Security** (Wavenis) Q. 000 Modbus RTU devices Authorized phone numbers 72 Firewall IP Relays control "Å SSL connections Access to serial devices using GPRS and GSM

SMS Alarm and Control

