

#WeAreConnectivity SMART SOLUTIONS FOR A CHANGING WORLD

MTX-DIN Industrial applications DIN rail M2M modem

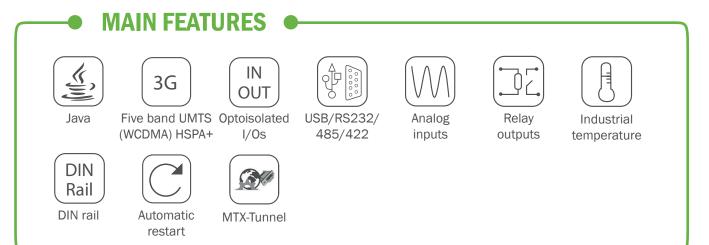
The MTX-DIN family are a new UMTS/HSPA modems designed for industrial environments due to its extended operating temperature range. It has an intrinsic and powerful TCP/IP communication stack with Internet Services.

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

C

Ο

()

HARDWARE FEATURES

-

	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

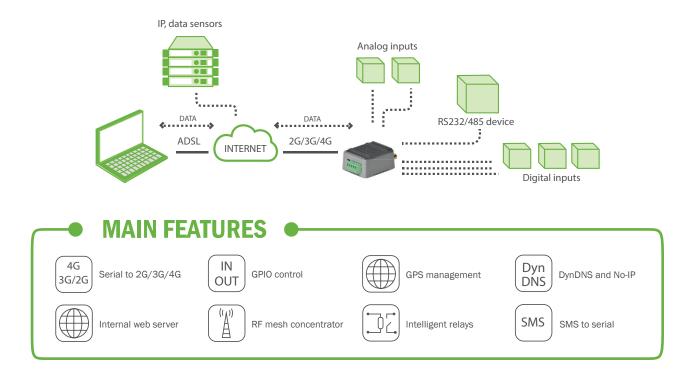
Interfaces

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

