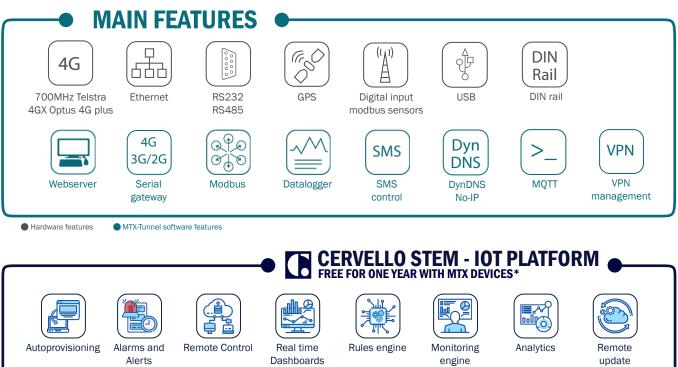




MTX-ROUTER-TITAN II-S AUS version Industrial Router with LTE/4G/3G/2G

The MTX-Router-Titan II-S is an innovative industrial router that comprises a complete set of wireless and wired interfaces. By providing an easy integration and powerful interfaces, it avoids further hardware components. It can be used in infinite M2M and IoT applications. It has an internal worldwide band 4G/2G (LTE/ EGPRS/GSM) modem. The MTX-Router-Titan II-S also includes advanced functionalities such as: DHCP server, NAT, CSD call manager, 4G to RS232/USB gateways, external sensor dataloggers (temperature, distance, Modbus RTUS), DynDNS/NoIP client, GSM cell positioning, remote firmware upgrade...





*Available with compatible devices that have MTX-Tunnel or MTX-Titan

- DC input: +8 to +30 Vdc
- Ⅰ Temperature range: -40° to +85°C

- Dimensions: 112x51x75mm
- Weight: <500gr</p>

Preliminary Datasheet. Subject to changes | 2020/05 MTX © by MATRIX ELECTRONICA S.L.U. SUPPORT: iotsupport@mtxm2m.com SALES: info@mtxm2m.com mtxm2m.com

HARDWARE FEATURES

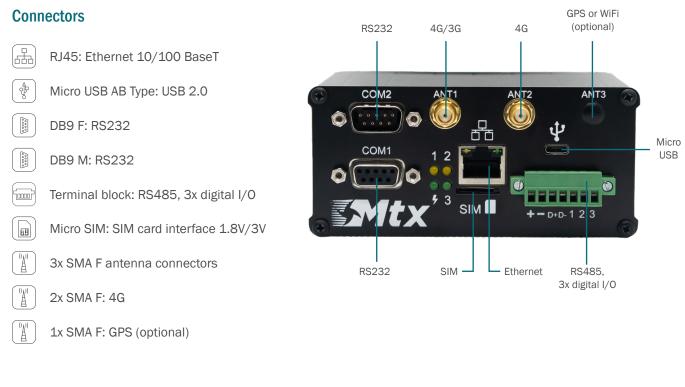
TITAN II-S 4G Cat.1

	Quad Band LTE: 3, 5, 8, 28 (1800, 850, 900, 700 MHz) Tri Band UMTS: 1, 5, 8 (WCDMA/FDD 2100, 850, 900 MHz)
(4G)	LTE Cat.1 (3GPP Release 9): DL 10.2Mbps, UL 5.2Mbps
2G	GPRS Class 12: DL max. 85.6 kbps, UL max 85.6 kbps
SMS	SMS text and PDU mode

Interfaces

4G 3G/2G 4G/3G/2G connectivity 品 Ethernet 10/100 BaseT ∲ USB 2.0 OTG 00000 2x RS232 faar) RS485 and RS422 (optional) 3x digital I/O (4x optional) SIM card interface 1.8V/3V _ _ _ _ 4x operating LEDs (m.C GPS (optional) (h) RF expansion (optional) DIN Rail DIN rail Micro SD





ORDERING INFORMATION

MTX-Router-Titan II-S-4G AUS	199802231
MTX-Router-Titan II-S-4G-GPS AUS	199802233

MTX-Router-Titan II-SC-4G AUS

199802232



TITAN SOFTWARE FEATURES

Serial Gateways



3 simultaneous 2G/3G/4G/Eth/WiFi <-> RS232/485/USB gateways

Modes: TCP server/TCP client

SSH encryption enabled



Soft eneryption enabled

Incoming CSD call for metering applications (only 3G)

Modbus



Modbus TCP/Modbus RTU gateway

Modbus TCP/RTU to SNMP gateway (SNMP connectivity for any modbus device)

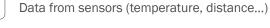
Modbus slave RTU/TCP (send/recevice SMS, Email, SNMP traps...)

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User scripts

Datalogger



 $rac{1}{2}$ Serial data collected by RS232, RS485 or USB

GPS data for tracking applications or fleet management

Automatic data sending (HTTP/HTTPS/FTP/ MQTT) with JSON format

Sensor Compatible



Temperature sensor MTX-Temp-RS232

Distance sensors (ultrasound) Maxbotics



Modbus RTU/TCP sensors



(A)

RF868 Wavenis sensors

Internal jamming detection sensor with alarm indicator

SMS

- ^{SMS} Full control by SMS with phone number authorizations
 ^{SMS} Alarms (digital input, temp., MBus data read)
- SMS Send/receive SMS by Modbus TCP (for PLC)

Other

- Dyn DNS Compatible with DynDNS/No-IP & private DNS
- GSM cell location
- Programmable autoreset (schedule, timer...)
- Multioperator SIM utilities (integrated rssi scanning tool)
- → Time synchronization (NTP) with timezones
- Over The Air firmware upgrade
- Full management with AT Command by serial, socket, SMS, modbus, SNMP, ...
- NAT, firewall, DHCP, etc. and other standard router characteristics
- 4G connectivity supervisor to maintain connection always active
- Internal configuration webserver (all logos and pictures can be customized by user)

Clear and understandable application notes with examples (OpenVPN, serial gateways, modbus, datalogger, SMS, metering, SNMPv2 and SNMPv3...)

Traffic control (prevents excessive data traffic consumption), TACACS+ (for HTTP, Telnet and SSH), multiuser profiles

VPN

- VPN OpenVPN with client/server mode
- Permanent or activated by SMS, AT command, modbus, SNMP, serial...

*The Titan network architecture is protected by nearly 60 hardware and software patents.



CERVELLO STEM - IOT PLATFORM FREE FOR ONE YEAR WITH MTX DEVICES**

6	STEM * Your project name		٩	Search			A di 🎮	⊚ ≡ (
•	Visualization ~ Overview	E Dashboads						
18	Statistics						Today This week This	month This year
9 20	Devices Number	5/10 Connected	Messages	220	Used Storage	2.7 GB	Command templates	02
φ	Activities						Today This week This	month This yes
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22.	Alarms Log Al Alarms Number Fest Type	826K	Users Log Users number Pint Type	2 826K 826 1125	Devices Log Connected devices First Device	826K	Assets Log All events Number First Type	826K
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General Features

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- Up to unlimited devices
- Autoprovisioning
- Real time dashboards
- Remote control
- **R** Monitoring engine
- Þ Alarms and alerts
- 瀻 Rules engine
- ð Remote update
- × Connect engine*
- ۲. API Keys*
 - Analytics*
- Multi-tenant*
- White labeling*



Monitor



Tracking*

Control



- Command template
- OTA

•	Monitoring Overview Alarma 1	felemetries Events	Locations							
8	Alarms Q. Search alarm		All Alarma	 Alarm Hotory 	Alarm Sta	tistics Tim	eine		Cl Alam Het	ory All time +
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>	The Rubbit Sends in a Little Bill	Active ORTICAL	Wednesday - 08/02/3	1007 - 1.02 pm 🔺						

Assets

Devices Inventory

	Add single and single from template
	Add Bulk from template and from autoprovisioning
	Manage: Device template, Groups, As and Bulk actions
Conn	ect
	Topics*
	Transformation*
	Integration keys*
Visua	lize
	Dashboards
	Reports
Auto	nate
	Rules Engine
	Actions
	Triggers
Secu	rity
	2-factor authentication
	SSL for end user application
	Custom admin roles*

*Upgrade required

**Available with compatible devices with MTX-Tunnel or MTX-Titan



Preliminary datasheet. Subject to changes | 2020/05 | MTX-Router-Titan II-S AUS version MTX © by MATRIX ELECTRONICA S.L.U. SUPPORT: iotsupport@mtxm2m.com | SALES: info@mtxm2m.com | mtxm2m.com