
















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...










MAIN FEATURES

 700MHz Telstra 4GX Optus 4G plus	 Ethernet	 RS232 RS485	 GPS	 Digital input modbus sensors	 USB	 DIN rail DIN rail
 Webserver	 Serial gateway	 Modbus	 Datalogger	 SMS control	 DynDNS No-IP	 MQTT
						 VPN management

● Hardware features ● MTX-Tunnel software features

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

 Autoprovisioning	 Alarms and Alerts	 Remote Control	 Real time Dashboards	 Rules engine	 Monitoring engine	 Analytics	 Remote update
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*Available with compatible devices that have MTX-Tunnel or MTX-Titan

- ⚡ DC input: +8 to +30 Vdc
- 🌡️ Temperature range: -40° to +85°C
- 📏 Dimensions: 112x51x75mm
- 🐦 Weight: <500gr













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

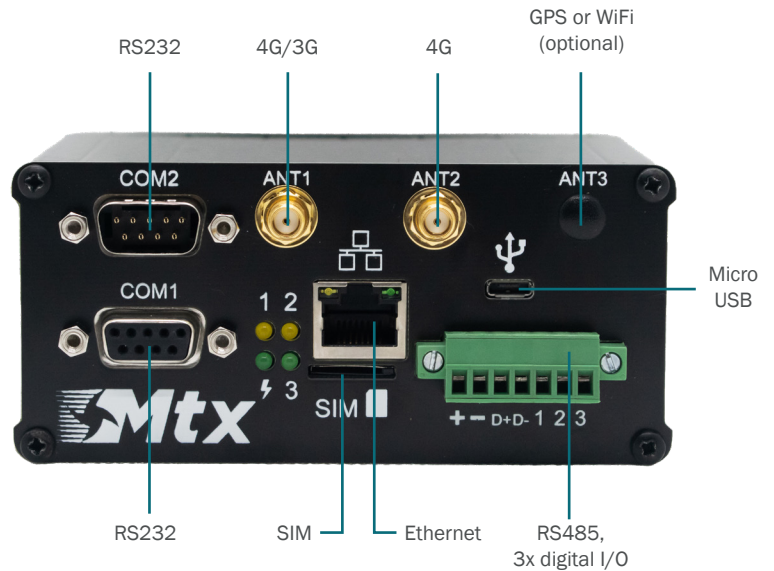
	Quad Band LTE: 3, 5, 8, 28 (1800, 850, 900, 700 MHz) Tri Band UMTS: 1, 5, 8 (WCDMA/FDD 2100, 850, 900 MHz)
	LTE Cat.1 (3GPP Release 9): DL 10.2Mbps, UL 5.2Mbps
	GPRS Class 12: DL max. 85.6 kbps, UL max 85.6 kbps
	SMS text and PDU mode

Interfaces

-  4G/3G/2G connectivity
-  Ethernet 10/100 BaseT
-  USB 2.0 OTG
-  2x RS232
-  RS485 and RS422 (optional)
-  3x digital I/O (4x optional)
-  SIM card interface 1.8V/3V
-  4x operating LEDs
-  GPS (optional)
-  RF expansion (optional)
-  DIN rail
-  Micro SD

Connectors

-  RJ45: Ethernet 10/100 BaseT
-  Micro USB AB Type: USB 2.0
-  DB9 F: RS232
-  DB9 M: RS232
-  Terminal block: RS485, 3x digital I/O
-  Micro SIM: SIM card interface 1.8V/3V
-  3x SMA F antenna connectors
-  2x SMA F: 4G
-  1x SMA F: GPS (optional)



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
-  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/receive SMS, Email, SNMP traps...)
-  User scripts




Datalogger

-  Data from sensors (temperature, distance...)
-  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
-  RF868 Wavenis sensors
-  Internal jamming detection sensor with alarm indicator



SMS

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

Other

-  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

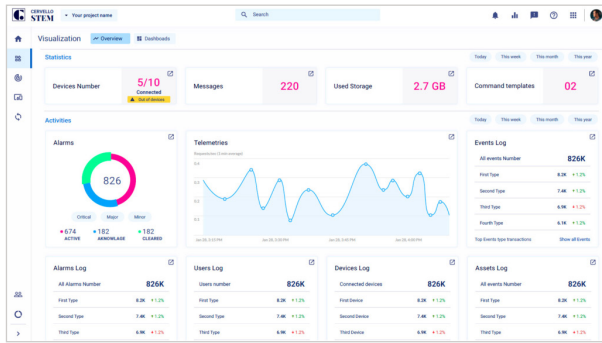
-  OpenVPN with client/server mode
-  Permanent or activated by SMS, AT command, modbus, SNMP, serial...

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

















CERVELLO STEM - IOT PLATFORM



FREE FOR ONE YEAR WITH MTX DEVICES**





General Features

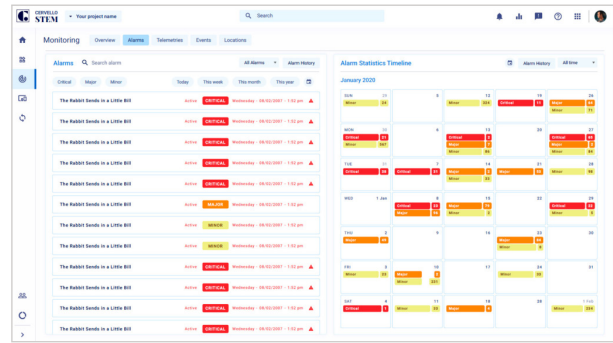
-  Up to unlimited devices
-  Autoprovisioning
-  Real time dashboards
-  Remote control
-  Monitoring engine
-  Alarms and alerts
-  Rules engine
-  Remote update
-  Connect engine*
-  API Keys*
-  Analytics*
-  Multi-tenant*
-  White labeling*
-  Custom admin role*

Monitor




-  Alarms, Events and Incidents
-  Tracking*

Control




-  Command template
-  OTA





Devices Inventory

-  Add single and single from template
-  Add Bulk from template and from autoprovisioning
-  Manage: Device template, Groups, Assets and Bulk actions




Connect

-  Topics*
-  Transformation*
-  Integration keys*




Visualize

-  Dashboards
-  Reports

Automate

-  Rules Engine
-  Actions
-  Triggers

Security

-  2-factor authentication
-  SSL for end user application
-  Custom admin roles*

*Upgrade required

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