















MTX-ROUTER-TITAN II-S US version

Industrial Router with LTE/4G

The MTX-Router-Titan II-S is an innovative industrial router that comprises a complete set of wireless and wired interfaces. It can be used in infinite M2M and IoT applications. It has an internal worldwide band 4G (LTE) 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, among others.











MAIN FEATURES

 4G	 Ethernet	 RS232 RS485	 GPS	 Digital input	 USB	 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: 4.5x2x3"
- 🐘 Weight: <1.1lbs













Datasheet subject to changes | 2020/05
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HARDWARE FEATURES

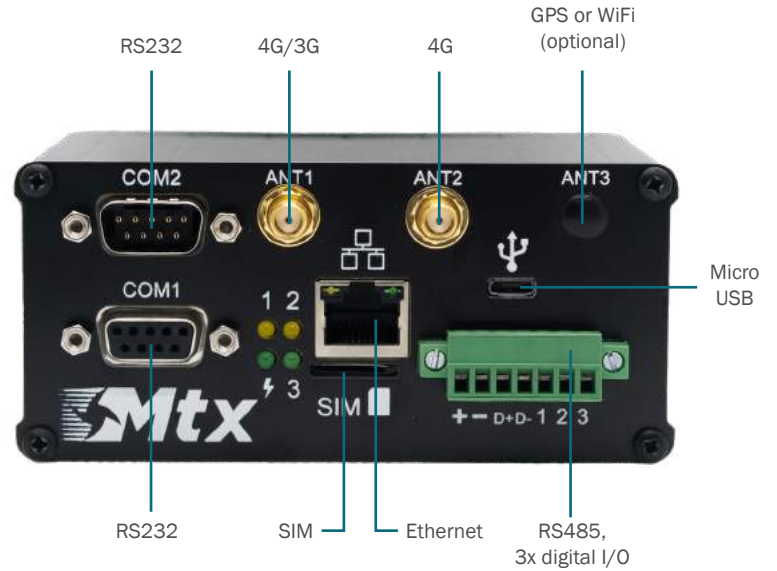
	MTX-ROUTER-TITAN II-S 4G Cat.1	MTX-ROUTER-TITAN II-S 4G Cat.4
	Penta-Band LTE: 1, 3, 8, 20, 28* (700*, 800, 900, 1800, 2100 MHz), Dual-Band GSM 900 & 1800 MHz, AWS	LTE bands: 2, 4, 5, 12 (1900, AWS (1700/2100), 850, 700 MHz), 3G bands: 2, 4, 5 (1900, AWS (1700/2100), 850 MHz)
	LTE Cat.1 (3GPP Release 9): DL 10.2Mbps, UL 5.2Mbps	LTE Cat.4 (3GPP Release 9): DL 150Mbps, UL 50Mbps
	HSPA+ Cat.8 (3GPP Release 6, 7): DL 7.2Mbps, UL 5.7Mbps UMTS (3GPP Release 4): PS data rate DL 384 kbps, UL 384 kbps; CS data rate DL 64 kbps, UL 64 kbps	HSPA Cat.8 (3GPP Release 8): DL 7.2Mbps, UL 5.7Mbps UMTS (3GPP Release 4): PS data rate DL 384 kbps, UL 384 kbps; CS data rate DL 64 kbps, UL 64 kbps
	SMS text and PDU mode	

Interfaces

-  4G 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 AT&T





199802211

TITAN SOFTWARE FEATURES





Serial Gateways

-  3 simultaneous 4G/Eth/WiFi <-> RS232/485/USB gateways
-  Modes: TCP server/TCP client
-  SSH encryption enabled






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/wireless M-Bus 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

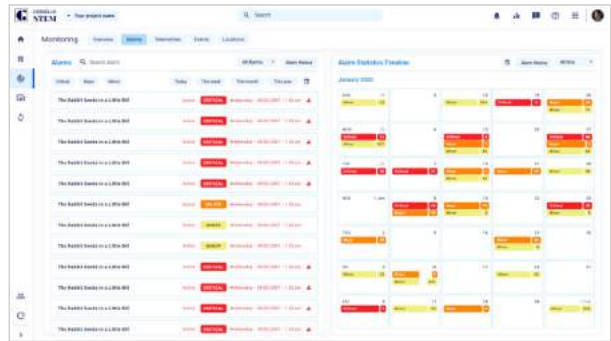
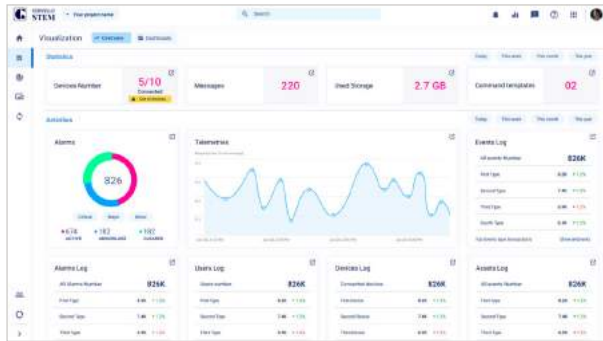
VPN

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

















CERVELLO STEM - IOT PLATFORM



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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

