

MTX-T US VERSION

Internet of Things programmable basic modem

The MTX-T devices are an innovative and powerful all-in-one solution for the most demanding M2M and IoT applications, enabling 4G high speed cellular data transmission, CSD and SMS. MTX-T are Java J2ME programmable and have many interfaces (RS232, RS485, mini USB, digital input) avoiding need for further hardware, shortening time to market and reducing costs. It is also compatible with MTX-Tunnel, an optional firmware that can be executed in our MTX modems to use them as powerful 4G gateways.



MAIN FEATURES



4G



USB 2.0



RS232



RS485



Digital input



Legacy communic.



4G/3G/2G serial gateway



GPIO management



Relays management



DynDNS and No-IP



MQTT/s



Modbus & Datalogger



SMS control

● 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

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



DC input: 9 to 36 Vdc



Temperature range: -22° to +185°F



Dimensions: 30.7x26.3x14.6"



Weight: <0.42lb

Preliminary Datasheet. Subject to changes | 2020/05

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SALES: info@mtxm2m.com

mtxm2m.com



HARDWARE FEATURES

MTX-4G-T



LTE 4 Bands (700, 850, 1700, 2100 (AWS), 1900MHz), 3 Bands UMTS (WCDMA/FDD 850, 1700/2100 (AWS), 1900 MHz)



LTE Cat.1: DL 10.2Mbps, UL 5.2Mbps



HSPA+ Cat.8: data rates DL 7.2Mbps, UL 5.76Mbps



SMS: text and PDU mode support

Interfaces



4G connectivity



SIM card interface 1.8V and 3V



RS232



RS485



1x digital input



Power supply



GPS module (optional)



Operating status LEDs

Connectors



2x SMA F antenna connector: 4G



1x SMA F antenna connector: GPS



Mini USB B



DB9 female connector: RS232



5-way plug-in: RS485, power supply and digital input

Processor

	4G
Flash	31MB
RAM	18MB
CPU	ARM11

FCC/PTCRB certification in progress

● MTX-TUNNEL SOFTWARE FEATURES ●

Connectivity



4G/3G/2G serial gateways: TCP client, TCP server, UDP client/server, accept incoming CSD calls, up to 2 simultaneous tunnel



IP connectivity mode: permanent 100% time, under request (SMS, missed call), change on a digital input, analog input out of level, serial data on RS232/RS485 port, scheduled date/hour/time

TCP Services



Web server, Telnet, SNMP, Tacacs+, NTP



Datalogger: MQTT, MQTTS, HTTP, HTTPs, FTP



Shows the status of digital and analog inputs



Change digital output level and relays



Execute AT commands remotely: Telnet, MQTT/MQTTS, SMS, HTTP

Security



Authorized phone numbers



Firewall IP, SSL/TLS connections, encrypted config



Secure OTAP (remote FIU upgrade)



Watchdog hardware

Alarms and Control



Send SMS/MQTT alarm when the level of digital or analog input change



SMS can be sent to up to 10 remote users



Execute remote AT commands



Change the status of digital outputs & relays



Customizable SMS commands

Solutions for Dynamic IP



IP session using a SMS or missed call



DynDNS and NoIP



Private DNS

Metering, Modbus, Sensors...



868 MHz remote monitoring sensors (Wavenis)



Master for modbus RTU devices, Modbus TCP slave, Modbus TCP to RTU gateway



Relays control



Access to serial devices using 2G/3G/4G and GSM



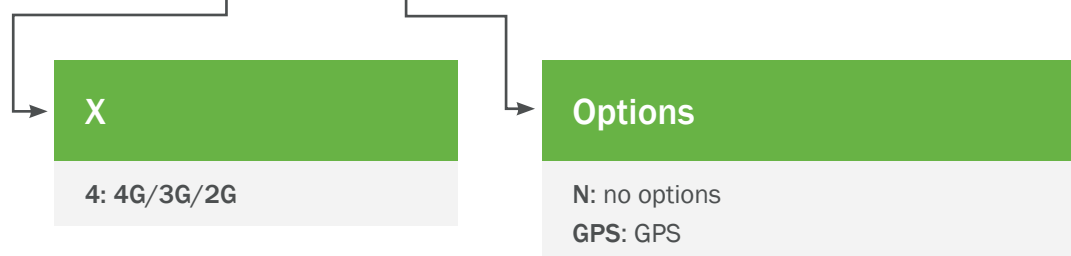
Astronomical clock

● ORDERING INFORMATION ●

MTX-T [4-N] AT&T

199801432

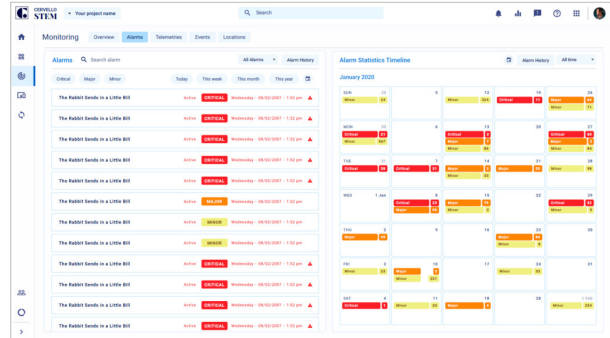
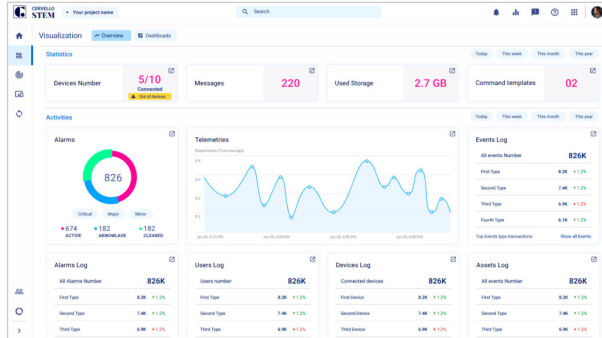
MTX - T [X - Options]



















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