MTX-Router-EOS

LTE/4G, dual SIM & 3x Ethernet compact industrial IoT router

The MTX-Router-EOS is an entry level router developed for industrial applications. It has a very compact design with a very rugged enclosure and accessories to be mounted on a wall mount. It features dual SIM, 3x Ethernet, VPN client and 3 antennas included (another one for GPS optional).

The MTX-Router-EOS can be used in many different IoT applications like kiosk, telemetry, remote sensing, smart grid, security, industrial automation, etc.
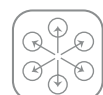
Main Features

4G 3G/2G	Dual SIM	WiFi	3x Ethernet	RS232 RS485	DIN rail	Modbus
4G	**Dual SIM**	**WiFi**	**3x Ethernet**	**RS232 RS485**	**DIN rail**	**Modbus**

VPN	DHCP	Firewall	Serial tunnelling	DynDNS	Programmable autoreset	MQTT	SMS control
VPN	**DHCP**	**Firewall**	**Serial tunnelling**	**DynDNS**	**Programmable autoreset**	**MQTT**	**SMS control**

Strenghts & Benefits

- Entry level router.
- With dual SIM.
- It has 3x Ethernet ports.
- 3x antennas included, and another one for GPS optional.
- Remote management vía MQTT, SMS or web server.
- DIN rail.

Applications

- For industrial IoT applications like kiosk, telemetry, remote sensing, smart grid, security, industrial automation, etc.

Specifications

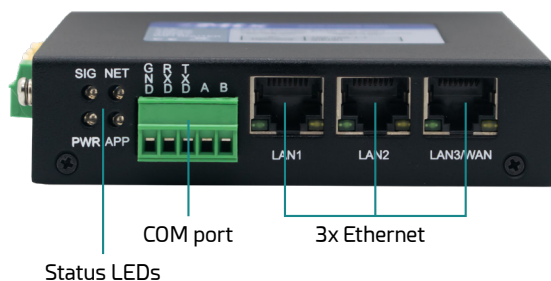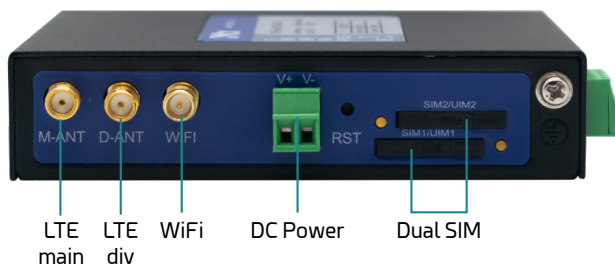| Router-EOS 4G |
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| **LTE** 700, 800, 900, 1800, 2600MHz; UMTS/HSPA+ 900, 2100MHz |
| **LTE Cat.4 FDD:** B1, B3, B7, B8, B20, B28A: DL 150Mbps, UL 50Mbps; MIMO |
| **HSPA (3GPP release 6, 7) B1, B8:** DL 7.2Mbps, UL 5.7Mbps; HSDPA Cat.8/HSUPA Cat.6 data rates |
| **GPRS B3, B8:** Class 12; mobile station class B; PBCCH support; coding schemes CS 1-4 |

Interfaces

- 4G/3G/2G connectivity
- 3x Ethernet 10/100 BaseT
- 1x COM (RS232 or RS485)
- WiFi 802.11 b/g/n
- GPS (optional)

Connectors

- 2x SMA F antenna connectors: LTE
- 1x SMA F RP antenna connector: WiFi
- 1x SMA F antenna connectors: GPS (optional)
- 3x RJ45: Ethernet 10/100 BaseT
- 1x terminal block: RS232/485
- Dual SIM card
- DC power terminal block: power input

LTE main LTE div WiFi DC Power Dual SIM

Status LEDs COM port 3x Ethernet

Characteristics

- Status LEDs
- DIN rail
- DC input: 5-35 Vdc Phoenix type
- Temperature range: -35 - 75⁰C
- Dimensions: 115x97x24mm
- Weight: 390gr.
- Certifications: CE, FCC, RoHS, ISO9001

Software Features

- DHCP server
- NAT/IP firewall
- Serial tunnelling
- Multiple DDNS provider supported
- Automatic data sending (MQTT)
- Schedule reboot, schedule online and off-line
- SMS control
- Remote management (web, SSH, Telnet)
- Remote firmware upgrade

Packing List Included

- DIN rail and wallmount kits
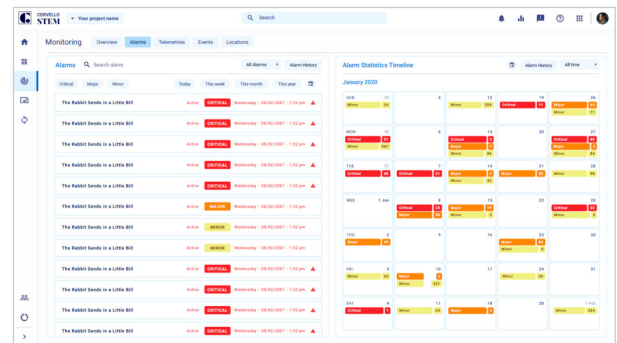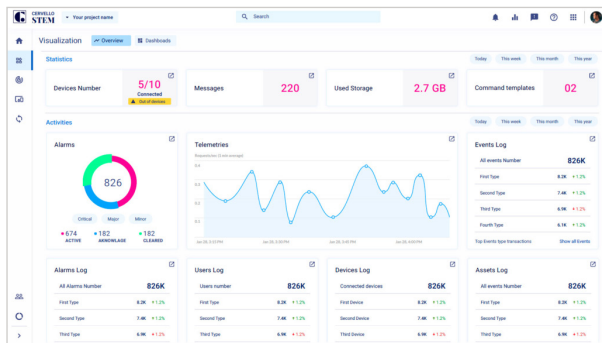- Ethernet cable
- WiFi antennas
- LTE antennas

References

PRODUCTS

- MTX-Router-EOS 4G WiFi **000502300047**

Cervello Stem - IoT Platform

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 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

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