

MTX-ROUTERS

Industrial Routers with LTE/4G/3G/2G

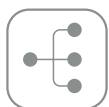
MTX-Router-Titan are innovative industrial routers that comprises a complete set of wireless and wired interfaces. By providing an easy integration and powerful interfaces, it avoids further hardware components.

The configuration of the MTX-Titan routers can be intuitively done from any computer with a web browser. We can connect locally via Ethernet or WiFi, or remotely via 3G. We can also connect via SMS, Modbus RTU, Modbus TCP and SNMP.

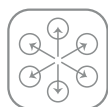
MTX-Titan Software Features



Webserver



Serial gateway



Modbus



Datalogger



SMS control



DynDNS and no-IP



MQTTs



VPN management



| | Titan mini | Titan II-S | Q | EOS 5G | EOS |
|--------------|---------------|---------------|--------------|----------------|----------------|
| GSM 3G | X | X | - | - | - |
| GSM 3G+GPS | X | X | - | - | - |
| GSM 4G Cat.1 | * | X | - | - | - |
| GSM 4G Cat.4 | X | X | X | - | X |
| GSM 5G | - | - | - | X | - |
| WiFi | X | X | - | X | X |
| WiFi client | X | X | - | - | - |
| DI | 1 | 2 | - | - | - |
| GPIOs relays | 1 | - | - | - | - |
| RS232 | 2 | 2 | - | 1 (or RS485) | 1 (or RS485) |
| RS485 | 1 | 1 | - | 1 (or RS232) | 1 (or RS232) |
| 1-Wire | 1 | - | - | - | - |
| Ethernet | 1 | 1 | 1 | 3 | 3 |
| Other | Accelerometer | AT&T, Verizon | LiPo battery | GPS (optional) | GPS (optional) |
| User LEDs | 1 | 3 | 4 | X | X |

*Under request

MTX-Titan Software Features

SERIAL GATEWAYS

- 3 simultaneous 2G/3G/4G/Eth/WiFi <-> RS232/485/USB gateways
- Modes: TCP server/TCP client
- SSH encryption enabled, supports TATACS+
- Incoming CSD call for metering applications

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
- 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)

VPN

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

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