



MTX-ROUTERS

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

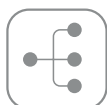
MTX-Router-Titan are innovative industrial routers that comprises a complete set of wireless and wired interfaces. By providing an easy integration and powerful interfaces, it avoids further hardware components.

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.

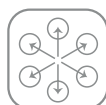
MTX-Titan Software Features



Webserver



Serial gateway



Modbus



Datalogger



SMS control



DynDNS and no-IP



MQTTs



VPN management

	Titan	Titan mini	Titan II-S	Titan II-R	Q	EOS
GSM 3G	X	X	X	X	-	-
GSM 3G+GPS	X	X	X	X	-	-
GSM 4G Cat.1	*	*	X	X	-	X
GSM 4G Cat.3	X	X	-	-	-	-
GSM 4G Cat.4	X	X	X	-	X	-
WiFi	X	X	X (only comm. temp.)	X	-	X
WiFi AP	Up to 8 clients	Up to 8 clients	Only bandwidth limit	Only bandwidth limit	-	-
WiFi client	X	X	X	X	-	-
WiFi monitor	*	*	X	X	-	-
GPIOs inputs	1	1	2	-	-	-
GPIOs IOs	-	-	2*	-	-	-
GPIOs relays	2	1	-	-	-	-
RS232	2	2	2	2	-	1 (or RS485)
RS485	1	1	1	1	-	1 (or RS232)
RS422	1	1	*	-	-	-
1-Wire	1	1	-	-	-	-
USB	USB A	Micro USB (OTG)	Micro USB (OTG)	USB A	-	-
Ethernet	1	1	1	2	1	3
Other	IP67	Accelerometer	AT&T, Verizon	CAN, rugged connectors	LiPo battery	GPS (optional)
User LEDs	1	1	3	2	4	X
Int. expansion	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