

















EasyTunnel

Industrial connecting IoT

EasyTunnel is an innovative and powerful all-in-one solution. Thanks to its set of interfaces (RS232, RS485, dual SIM, digital I/O...) and the embedded new TITAN v6 firmware (Modbus, MQTT, IPsec, logger,...) provides a full bundle of functionalities which will fulfill all your IoT applications needs with no need for further hardware, shortening the time-to-market and providing a very cost-effective solution. As new feature, EasyTunnel allows to the user to develop and run their own applications scripts (based on javascript) and giving to the end IoT application a custom style. It includes a big number of examples with source code.



Main Features

 4G/3G/2G	 1x Digital input	 1x Digital output	 RS485 RS232	 Ethernet configuration	 7 to 30V	 DualSIM		
 Serial Gateway	 Datalogger	 Webserver	 MQTT(s)	 FTP(s)	 DynDNS No-IP	 SMS control	 Modbus RTU/TCP	 Titan software

■ HARDWARE ■ SOFTWARE

Strenghts & Benefits

- Easy onboarding and configuration with more than 50 application notes.
- Full MTX-Titan software functionalities.
- I/O management.
- DualSIM.
- Capable of connecting to multiple sensors.

Applications

- Ideal for Industry 4.0 applications.

Specifications

EasyTunnel

EUROPE:

LTE FDD: B1, B3, B5, B7, B8, B20, B28A

WCDMA: B1, B5, B8

GSM: B3, B8

LATAM:

LTE FDD: B1, B2, B3, B4, B5, B7, B8, B28

WCDMA: B1, B2, B5, B8

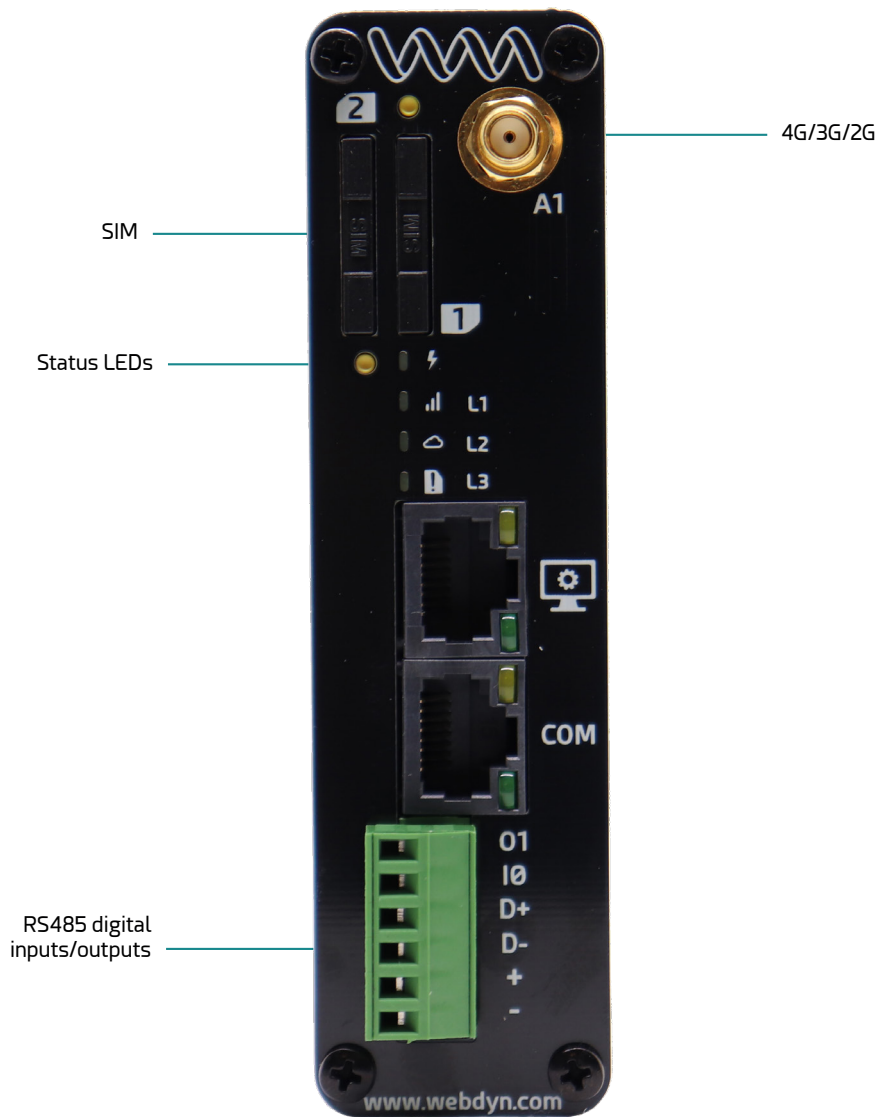
GSM: B2, B3, B5, B8

Interfaces

- 4G/3G/2G connectivity
- 1x digital input
- 1x digital output
- Ethernet (configuration port)
- RS485/RS232
- DualSIM
- 4x operating LEDs

Connectors

- 1xSMA: 4G/3G/2G
- RJ45: RS232
- RJ45: Ethernet configuration port
- 6-way plug-in terminal block: DC input, RS485 and digital input and output
- 2x Mini SIM: SIM card interface 1.8V/3V (with SIM tray)



Characteristics

- 4x Status LEDs
- DC Input: 7-30V
- DIN Rail mounting
- Temperature range: -40 - 85°C
- Dimensions: 113.2x30.5x90.2mm
- Weight: 195gr.

References

PRODUCTS

- EasyTunnel

000199811000

MTX-Titan Software Features

SERIAL GATEWAYS

- 3 simultaneous 2G/3G/4G/Eth <-> RS232/485
- Modes: TCP server/TCP client
- SSH encryption enabled, supports TACACS+

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
- Automatic data sending (HTTP/HTTPS/FTP/MQTT) with JSON format

SENSOR COMPATIBLE

- Modbus RTU/TCP sensors
- Internal jamming detection sensor with alarm indicator

VPN

- IPSEC + OpenVPN with client/server mode (25 clients)
- Permanent or activated by SMS, AT command, modbus, SNMP, serial...

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

*The Titan network architecture is protected by nearly 60 hardware and software patents