

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

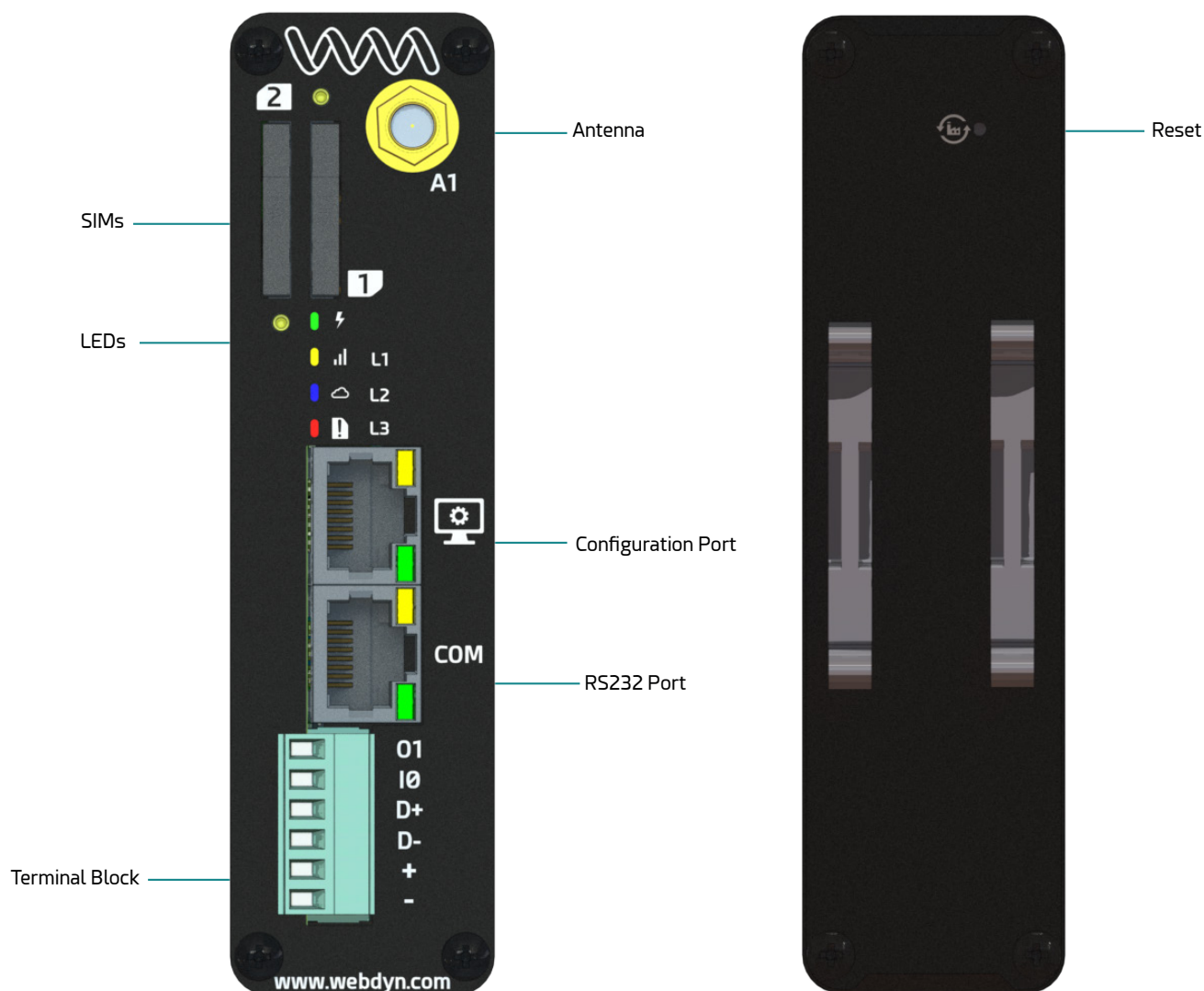
GSM: B2, B3, B5, B8

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

- 2 simultaneous 2G/3G/4G<->RS232/485
- Modes: TCP server , TCP client, UDP, MQTT
- SSL/TLS supported

MODBUS

- Modbus TCP/Modbus RTU master concentrator
- Modbus TCP/Modbus RTU gateway
- Modbus slave RTU/TCP (send/receive SMS, Email, SNMP traps...)

DATALOGGER

- Serial data collected by RS232 or RS485(Modbus, sensors, meters, I/Os...)
- Automatic data sending (HTTP/HTTPs/FTP/FTP/HTTPS/MQTT/MQTTs) with custom JSON format
- FIFO/LIFO modes
- Pulse counter

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

- Run user-programable scripts, based on JAVASCRIPT
- Configuration by web browser, MQTT, SMS, Modbus and other
- Full management with AT Command by serial, socket, SMS, modbus, SNMP, ...
- SSH encryption enabled, supports TACACS+
- Compatible with DynDNS/No-IP & private DNS
- Programmable autoreset (schedule, timer...)
- Time synchronization (NTP) with timezones
- Over The Air firmware upgrade (OTAP)
- Signed firmware
- 4G connectivity supervisor to maintain connection always active
- GSM cell location
- Internal configuration webserver (all logos and pictures can be customized by user)
- Clear and understandable application notes with examples (serial gateways, modbus, datalogger, SMS, metering, SNMPv2 and SNMPv3...)
- Protocol IEC 60870-5-102 for meter reading supported
- Configurable LEDs by user
- Syslog: send to a remote server

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

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