WWW.INFOPULSAS.LT
info@infopulsas.lt

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
- 4G/3G/2G Serial Gateway
- Datalogger
- Webserver
- MQTT(s)
- FTP(s)
- DynDNS No-IP
- SMS control
- Modbus RTU/TCP
- Titan software

HARDWARE SOFWARE

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.

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Specifications

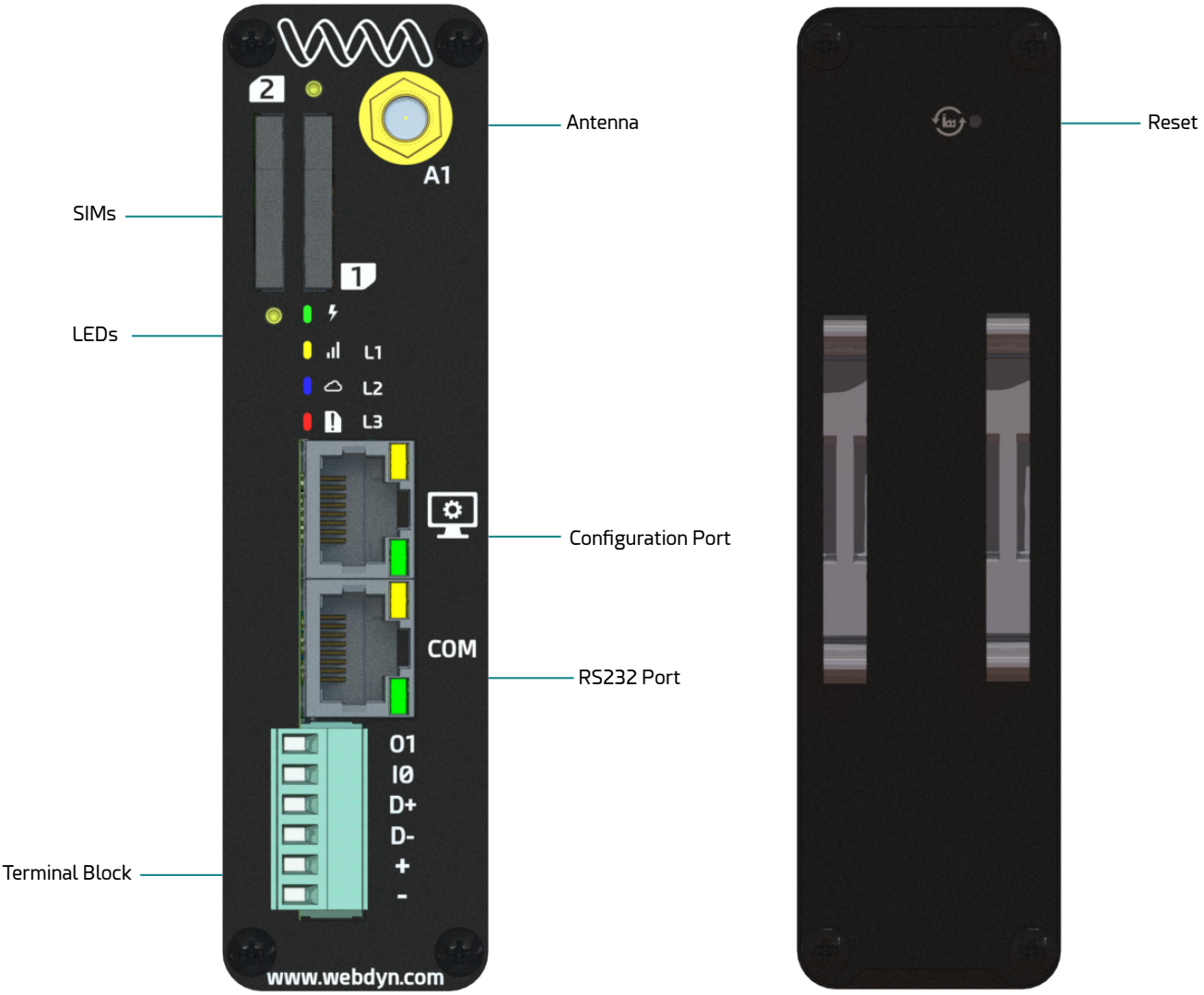
EasyTunnel
EUROPE: **LTE FDD**: B1, B3, B5, B7, B8, B20, B28A **WCDMA**: B1, B5, B8 **GSM**: B3, B8

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 - 85ºC
- 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/FTPs/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

The equipment may vary from the description in this document. Webdyn reserves the right to make changes to the product(s) and or information contained herein without notice. This document may not be considered as a contract specification.