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, 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. **WCDMA**: B1, B5, B8 **GSM**: B3, B8	**AUSTRALIA/LATAM** **LTE FDD:** B1/2/3/4/5/7/8/28 **LTE TDD:** B40 **WCDMA:** B1/2/5/8 **GSM:** B2/3/5/8

Accesories

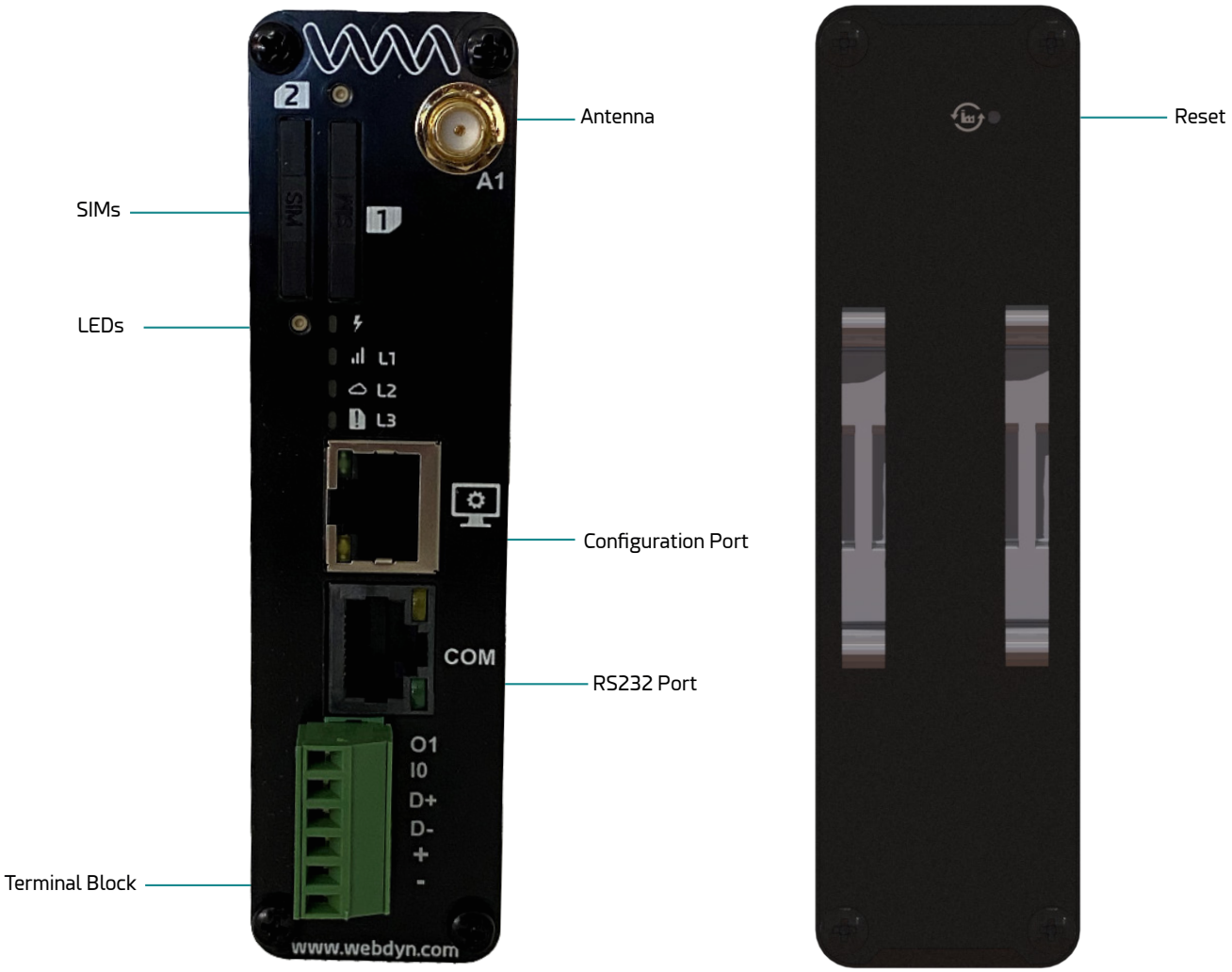
Accessories	Part Number
RJ45 to DB9 M cable : 230001103	000230001103
LTE antena: 118009286 AntennaStubLTE700	
901006300-MTX-12-1 EU PLUG -TINNED WIRE	

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 EU	**000199811000**
EasyTunnel AU/LATAM	**000199811002**

MTX-Titan Software Features

SERIAL GATEWAYS

- 2 simultaneous 2G/3G/4G<->RS232/485
- Modes: TCP server , TCP client, UDP, MQTT
- SSL 3.0/TLS 1.0, 1.1 & 1.2

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, SNMPv2c 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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