

EasyRouter



















Industrial connecting IoT

EasyRouter is an innovative and powerful all-in-one solution. Thanks to its set of interfaces (RS232, RS485, dual SIM, digital I/O, gigabit Ethernet, GPS and WiFi) 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, EasyRouter 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	 Gigabit ethernet	 7 to 30V DC	 DualSIM	 WiFi	 GPS
 Serial Gateway	 Datalogger	 MQTT(s)	 Open VPN and IPsec	 DynDNS No-IP	 SMS control	 Modbus RTU/TCP	 TITAN software	 JavaScript

■ HARDWARE ■ SOFTWARE

Strenghts & Benefits

- Easy onboarding and configuration with more than 50 application notes.
- Full TITAN software functionalities.
- I/O management.
- DualSIM.
- Capable of connecting to multiple sensors.
- Applications fully customizable
- Multi IoT platforms compatibility

Applications

- Ideal for Industry 4.0 applications.
- Multi modbus slaves mapping
- Alarms reporting
- Mini PLC applications
- Weather station monitoring
- Energy Management Systems.

Specifications

EasyRouter

EUROPE:

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

WCDMA: B1, B8

GSM: B3, B8

AU/LATAM:

LTE FDD: B1, B2, B3, B4, B5, B7, B8, B28, B40

WCDMA: B1, B2, B5, B8

GSM: B2, B3, B5, B8

Interfaces

- 4G/3G/2G connectivity
- WiFi
- 1x digital input
- 1x digital output
- Gigabit ethernet
- RS485
- RS232
- DualSIM
- Operating LEDs
- GNSS connectivity

Connectors

- 1x SMA: 4G/3G/2G.
- 1x SMA: GNSS.
- 1x SMA-F-RP WiFi.
- RJ45: RS232.
- RJ45: Gigabit ethernet port.
- 6- way terminal block power supply input, RS485, digital input and digital output.
- 2x MiniSIM: SIM card interface 1.8V/3V (with SIM tray).

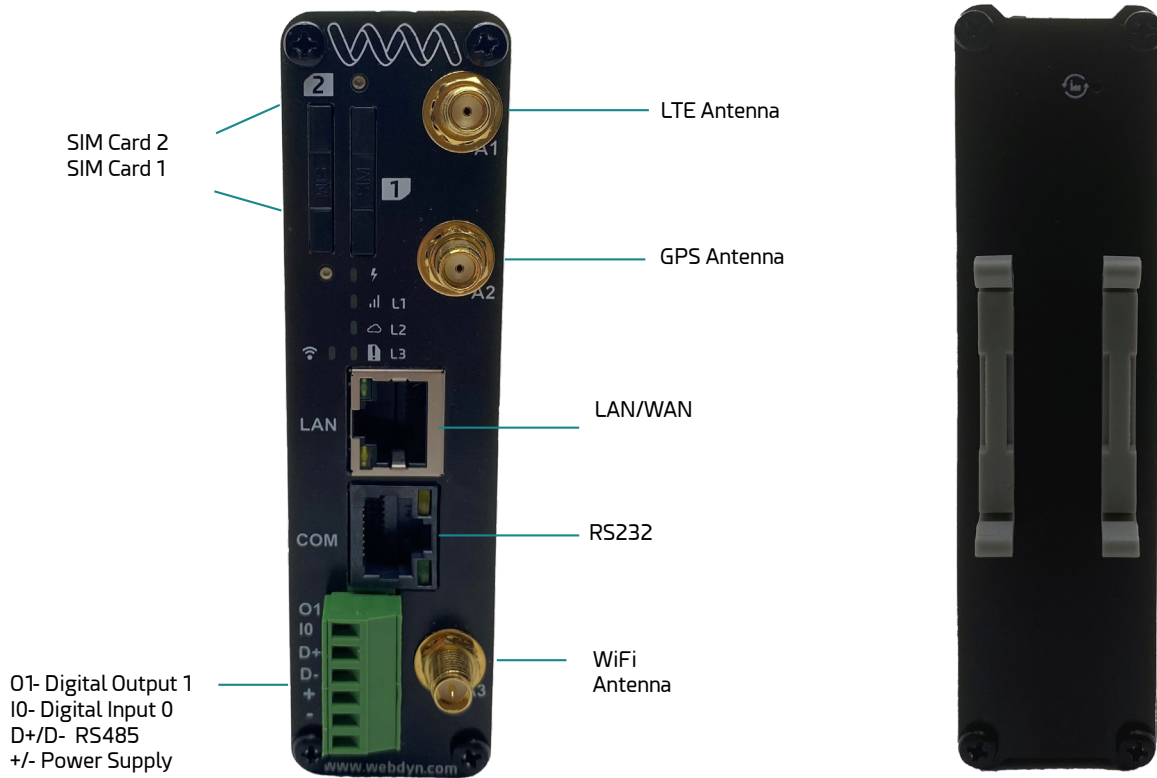
References

PRODUCTS

- Webdyn EasyRouter EU
- Webdyn EasyRouter AU/LATAM

000199811003

000199811004



Characteristics

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

Optional Accessories

Accessories	Reference	Description
LTE Antenna	118009286	AntennaStubLTE700
Power supply	901006300	MTX-12-1 EU PLUG-TINNED WIRES
RJ45 to DB9	230001103	MTX-Cable DB9 M to RJ45 M-1.5m (Cnt-RS232/RS485)-Tipo2
Antenna GPS -3m	000118006125	MTX-Antenna Magnetic A2 GPS SMA M - RG174 - 3m
Antenna GPS -5m	000118006126	MTX-Antenna Magnetic A2 GPS SMA M - RG174 - 5m
WiFi antenna (recommended)	000118016192	MTX-Antenna STUBSW 2.4/5GHz SMA M RP

TITAN Software Features

SERIAL GATEWAYS

- 2 simultaneous 2G/3G/4G<->RS232+RS485
- 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 software architecture is protected by nearly 60 hardware and software patents