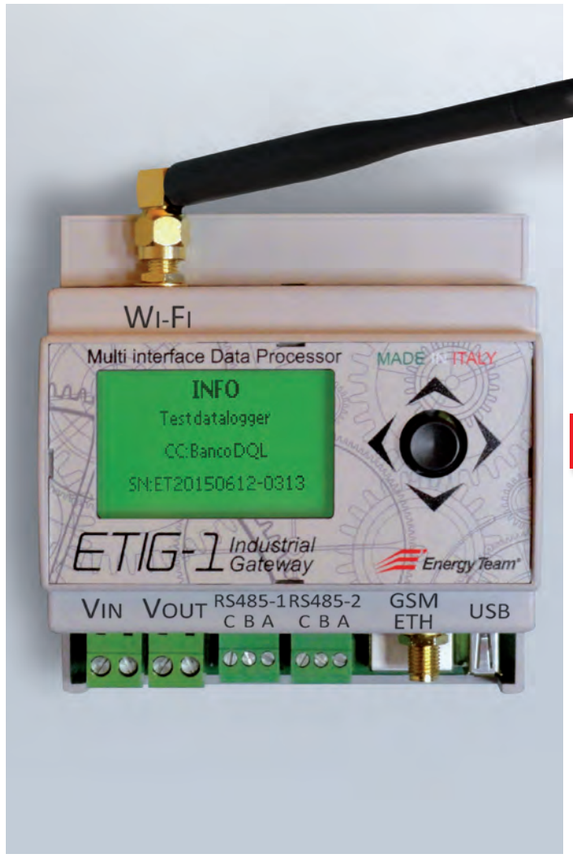
ETIG-1 - Energy Team Industrial Gateway

Gateway to collect, store and send data to Server



ETIG-1 is ideal for acquiring and filing data from instruments measuring electricity, gas, water, steam, heat, ect. it then sends all the collected measurements to one or more servers for data publication.

Easy installation and configuration, together with reduced size, flexible Wi-Fi / Ethernet / GPRS connectivity, high number of managed channels and large memory, make ETIG-1 a unique product.

ET-**I**ndustrial **G**ateway **1**, placed side by side with new generation Energy Team analyzers, becomes an essential tool for all users operating in the field of energy efficiency like Energy Managers, Production Managers, Maintenance Technicians, Energy Consulting firms, ESCO's, Energy Certifications (White certificates, Diagnosis, Audit, ISO 50001).

SYSTEM FEATURES

Extremely flexible system
The system can manage tens of sensors thanks to 2 integrated, RS485 isolated lines and Ethernet or Wi-fi connection.

High number of channels
The system can manage up to 1.600 measures, filing up to 5 years' worth of data.

Simplified management
Along with remote configuration, the display and joystick consent basic parameters' reading and local programming of the device with no need for a supporting PC.

Automatic data export
Together with a great volume of internal memory (over 5 years' worth of data), ETIG-1 manages automatic data export of all measurements, sending them to a FTP/ SFTP server.

TCP slave Modbus
All instant data from the instruments can be acquired from other systems (i.e. SCADA, plc, bms) via TCP Modbus protocol.

High connectivity
The system can communicate via Wi-Fi, Ethernet and GPRS at the same time *(optional)*.

Wide range of measurable quantities
Connect ETIG-1 to appropriate sensors via cable or wireless to measure, manage and file any kind of physical quantity (electricity, water, gas, irradiation, temperature, etc.)

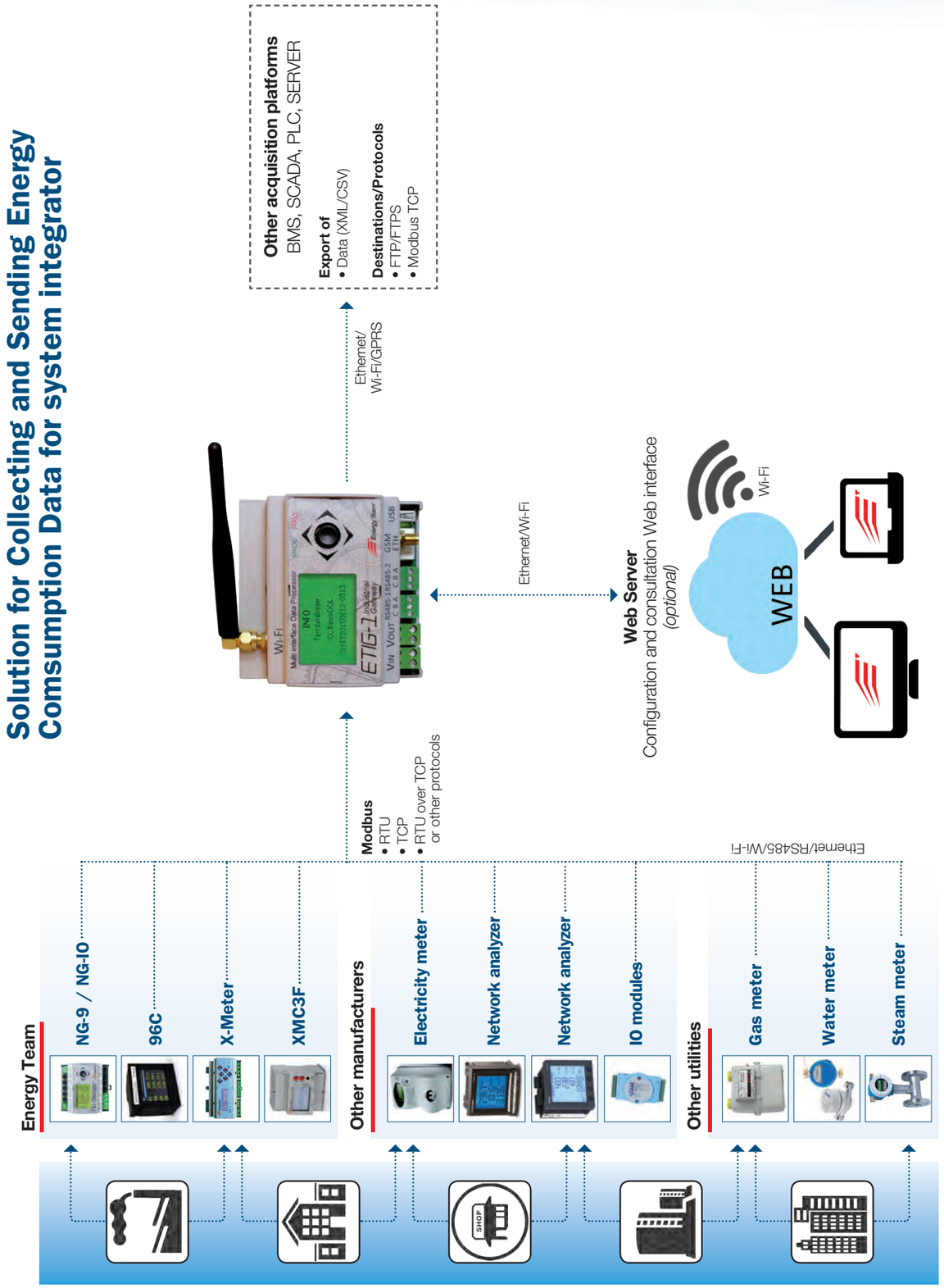
Double TCP Modbus gateway
This makes ETIG-1 work as protocol converter (TCP to RTU Modbus) thus allowing the independent use of both RS485 serials.

Double LAN-RS485 converter
This mode allows independent use of the two serials via TCP connection.

TECHNICAL FEATURES

- Power Supply 65 to 265 Vac or 60 to 120 Vdc
- It can manage tens of sensors and up to 1.600 measures with 2 RS485 isolated ports.
- Connectivity: Ethernet, Wi-Fi and GPRS *(optional)*.
- Integrated Web server for system configuration and data analysis *(optional)*.
- Wi-Fi module with detachable antenna that can be placed outside the panel.
- GPRS quad band integrated module (850/900/1800/1900MHz) with detachable antenna that can be placed outside the panel.
- Dimensions: 5 DIN unit modules
- 8GB storage memory: allows filing up to 1600 channels for over 5 years' worth of data.
- TCP Modbus gateway on two RS485 independent lines.
- LAN - RS485 converter on two RS485 independent lines.

Solution for Collecting and Sending Energy Comsumption Data for system integrator



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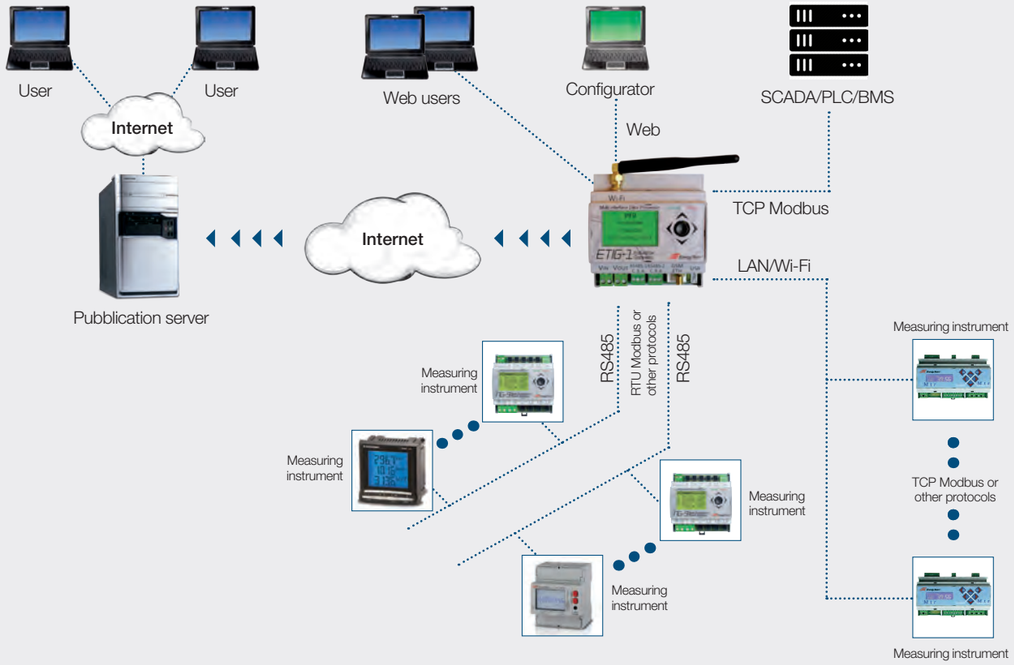
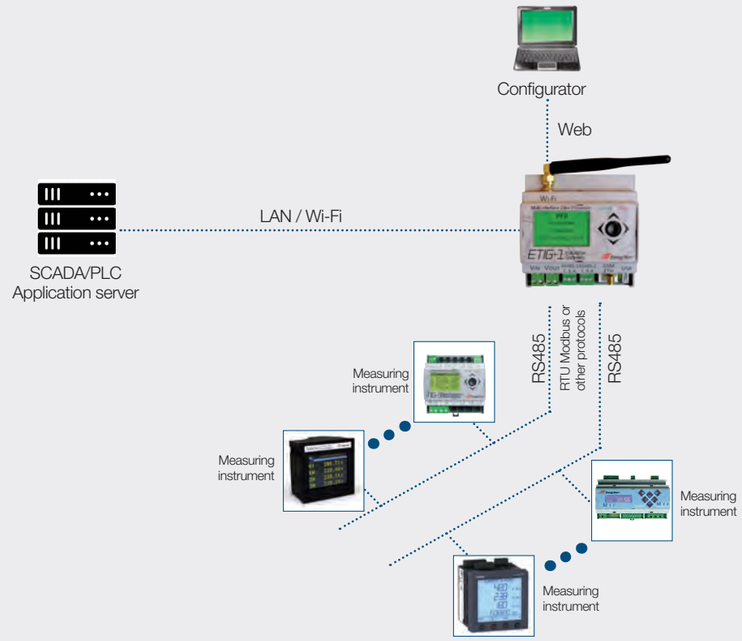
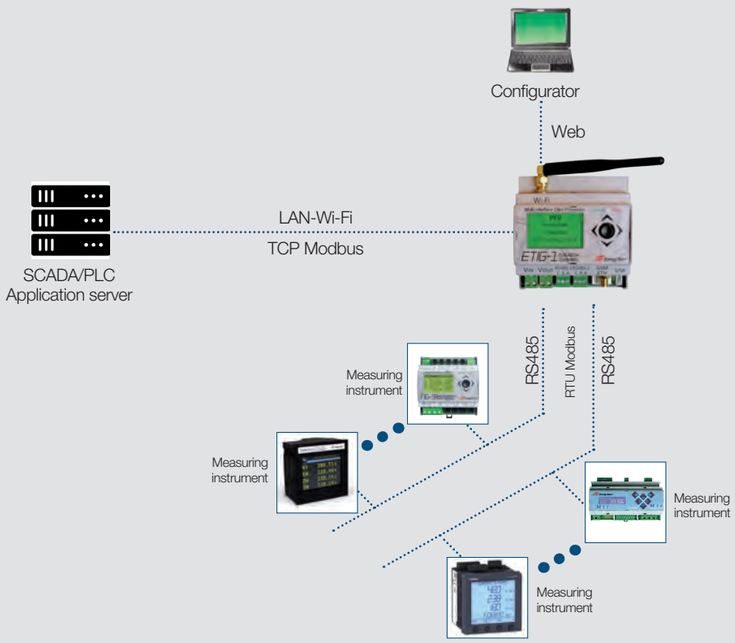
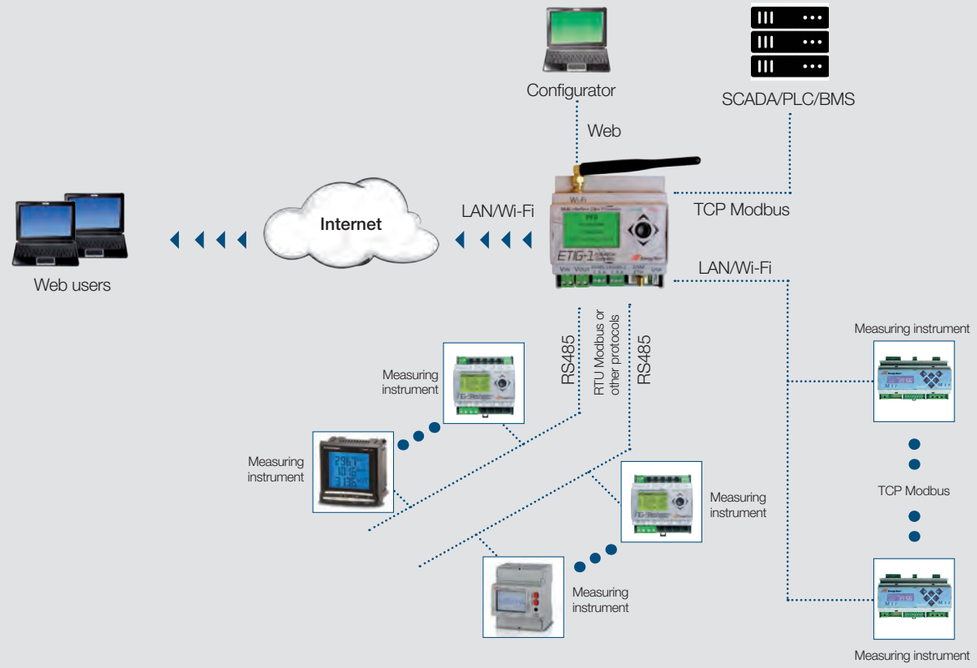
DATALOGGER AND DATA SENDING TO A REMOTE SERVER (FOR DATA PUBBLICATION) AND SCADA/PLC/BMS



DOUBLE LAN/WI-FI TO RS485 CONVERTER



DOUBLE TCP - RTU MODBUS PROTOCOL GATEGAY



MINI WEBSERVER