CARLO GAVAZZI
Automation Components

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UWP-A AND UWP-M: THE LONG RANGE WIRELESS SOLUTION FOR ENERGY MONITORING

Ease of installation and set-up, plug'n play connection and high flexibility for this IIoT-oriented solution.

Lainate, September 2019 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture and marketing of electronic equipment, today presents its new modules to enable the interface of our meters with standard third-party LoRaWAN® networks or with UWP 3.0 platform.

Targeted at energy efficiency monitoring projects to reduce installation costs and avoid expensive cabling can impact hugely on the project timeline. The best option in such cases is to rely on a solid and secure wireless fieldbus.

The UWP-A is an endpoint adapter which provides long range (up to 10 km) communication to Carlo Gavazzi energy meters and power analyzers for easy integration into existing standard LoRaWAN® gateways (private networks) and LoRaWAN® public networks (smart cities). Using the 868 MHz ISM band, a license and cost free set of frequencies, the UWP-A enables easy and fast configuration, making it easy for installers to set-up a secure and reliable wireless network of meters suitable for applications such as industrial facilities, farms, shopping centres or large buildings. Simple connection to the UWP 3.0 universal web controller through the UWP-M gateway, provides collection of vital data without the need for any SIM cards or additional costs.

Many operators provide access to wireless LoRaWAN® networks, covering cities or entire countries: the UWP-A is key to collection of metering data through these networks, for a hassle-free deployment of distributed networks over large areas.

"Ease of set-up, embedded data security and reliability are the key points to convert our range of energy meters and power analyzers into flexible IIoT devices," Alessio Costantini, International Product Manager, states. "By the combination of CG meters, UWP-A, UWP-M and UWP 3.0 we can now provide customers with a vertical solution, from a single component up to a whole system for a complete energy efficiency monitoring system."

Developed by our competence centre in Italy, the UWP-A and UWP-M modules are designed to offer users and service providers the possibility to develop distributed energy efficiency monitoring systems, based on UWP 3.0 platform, to cover areas as wide as a city or a whole country.

Main technical features

UWP-A
- Compatible with most of CG energy meters and power analyzers
- Plug and play set-up via UCS software
- USB connection to PC; power supply through USB
- Wireless communication through the European 868 MHz license free band
- Compatible with standard LoRaWAN® gateways
- Compatible with UWP-M
- Up to 10 km wireless communication distance in open air
- Universal power supply
- High performance antenna included

UWP-M
- Compatible with UWP 3.0
- Up to 3 UWP-M for each UWP 3.0
- Up to 50 UWP-A endpoints for each UWP-M
- Plug and play set-up via UWP 3.0 Software Tool
- Wireless communication through the European 868 MHz license free band
- Up to 10 km wireless communication distance in open air
- High performance antenna included
- No need of any SIM cards

ABOUT CARLO GAVAZZI AUTOMATION

Carlo Gavazzi Automation is an international electronics group with activities in the design, manufacture and marketing of electronic equipment targeted at the global markets of industrial and building automation.
Carlo Gavazzi Automation provides customers with technologically innovative, high quality and competitive solutions, in compliance with their requirements and expectations through its 22 National Sales Companies in Europe, the Americas and Asia & Pacific, operating with its production sites in Denmark, Italy, Malta, Lithuania and China.

For further information:

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