

Press Release

UWP-A: LONG RANGE WIRELESS SOLUTIONS FOR ENERGY MONITORING

LoRaWAN® certified endpoint adapter for US915 MHz band.

Lainate, January 2021 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture and marketing of electronic equipment, today is proud to introduce an important update to our LoRaWAN® certified adapter UWP-A.

Minimizing installation costs and avoiding expensive cabling, which could have a huge impact on the project timeline, are very often the key targets in energy efficiency monitoring, cost allocation or asset management projects.

The best option in such cases is to rely on a solid and secure wireless fieldbus. The UWP-A adapter provides long range distance communication (up to 10 km) to Carlo Gavazzi's energy meters and power analyzers, for an easy integration into existing standard LoRaWAN® gateways (private networks) and LoRaWAN® public networks (smart cities).

By working on the license free US915 MHz band, the UWP-A adapter allows North American installers to deploy the requested network of energy analyzers and easily join the available LoRaWAN® network either public or private.

The UWP-A is the key to convert any Carlo Gavazzi energy analyzer into an IIoT device, for joining a LoRaWAN® network and sending data to Energy Management Systems, Energy Billing Portals or Facility/Asset Management Solutions.

"If compared to traditional architectures based on gateways, modems and mobile networks, this solution minimizes the overall Total Cost of Ownership", Alessio Costantini International Product Manager says. "The USA, Canada and Mexico versions are now available."

Developed by our Competence center in Italy, this update allows a further expansion towards North American countries, in order to meet the requirements coming from the market, providing installers, system integrators, and ESCOs with a great user experience.

Main technical features

- Compatible with most of Carlo Gavazzi's meters and power analyzers
- Plug'n play set-up via UCS software
- USB connection to PC; power supply through USB
- Wireless communication through the North American US915 MHz license free band
- Compatible with standard LoRaWAN® gateways
- Up to 10 km wireless communication distance in open air
- Universal power supply
- High performance antenna included

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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