

Press Release

XAP 1.0: THE COMPACT, EMBEDDED IIOT CONTROLLER AND SERVER PLATFORM

A complete solution in building automation from BMS down to field devices.

Lainate, May 2019 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture and marketing of electronic equipment, today is proud to present its new controller and gateway, the XAP 1.0.

The XAP10RSEXX is a compact, IIoT-ready (Industrial Internet of Things) controller and gateway for seamless connection of multiple and diverse devices and sub-systems. Providing Internet connectivity and web-serving capability, the XAP 1.0 provides integrated control and supervision.

Compatible with the standard CODESYS V3 and the Wizard configuration software (the same one used to program the BTM display family), it streams data and rich graphical displays to a standard Web browser via Ethernet or remotely over the Internet.

This controller integrates the standard IEC 61131 PLC (Codesys), so that any building automation function, and specifically HVAC ones, can be programmed by means of a standard and well-known tool. It is empowered by a configurable web interface which makes it an outstanding web HMI, which can be easily programmed with graphic pages, functions and protocols.

“The use of efficient technologies and a proper management of the resources allows the achievement of direct savings on energy costs; furthermore, the use of intelligent remote control and automation systems can significantly contribute to system optimisation, ensuring total and integrated control,” Raffaella Sirena, International Product Manager, states. “The launch of this new controller will give us the opportunity to grow our business in the building automation market, with existing and new customers, offering a complete range of products from the management level down to the field level.”

Developed by our competence centre in Italy, the XAP 1.0 is designed to deliver a complete solution in building automation from BMS down to field devices: XAP 1.0 is at the management level, UWP 3.0 at the automation level and our Dupline® and Modbus devices at the field level.

Main technical features

- Controller and gateway, web HMI, PLC for building automation functions
- Data communication OPC UA
- Cloud connectivity Node-RED (Optional)
- Operating system Linux
- Secure web server access: HTTPS
- Protocols: Modbus RTU/TCP-IP master and slave, BACnet client, KNX IP, KNX TP using an expansion module
- Compatible with CODESYS V3: it supports network stacks and local I/O expandability
- 2 Ethernet ports for network separation WAN/LAN
- Customisable web interface, with different access types according to the type of user
- Connectible to UWP 3.0 via BACnet or Modbus/TCP

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:

Carlo Gavazzi Automation SpA - Via Milano 13 – 20020 Lainate (MI) - Italy
Marketing and Communication - info@gavazziautomation.com - www.gavazziautomation.com