

## Press Release

### EM600 SERIES: THE NEW GENERATION OF CONNECTED ENERGY ANALYZERS

Fast, flexible, and future-ready – the evolution of Ethernet-based energy monitoring.

Lainate, March 2026 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture, and marketing of electronic equipment, announces the launch of the EM630 B and EM640 B, the first models of the new EM600 Series of three-phase energy analyzers.

The EM600 Series represents a significant evolution in Carlo Gavazzi's energy-metering portfolio, introducing dual Ethernet connectivity, fast data refresh, and an enhanced user experience designed for advanced industrial and building energy management applications.

Developed as the natural successor to one of our top-selling products, the EM24 series, the EM600 features a modernized design with a 128 × 96 backlit matrix LCD display, an intuitive quick-setup wizard, and dual Ethernet ports that allow daisy-chain connections without external switches — all within a compact DIN-rail housing.

Designed for high-performance monitoring, the EM600 offers a 100 ms refresh time and supports both Modbus TCP/IP and a secure HTTPS REST API, enabling real-time data acquisition and seamless integration with PLCs, SCADA systems, and energy management platforms.

"The EM630 B and EM640 B represent the first step in a new generation of Carlo Gavazzi energy meters — designed for fast communication, intuitive operation, and secure connectivity," says Andrea Bernardi, International Product Manager at Carlo Gavazzi. "In the near future, this family will expand with additional secure and flexible communication options, including next-generation wireless technologies and multi-protocol management."

Thanks to the quick-setup wizard, the UCS configuration software, and the UCS Mobile app for Android, commissioning is fast and intuitive. Support for DHCP, and mDNS enables automatic network discovery, ensuring true plug-and-play installation. SUNSPEC compliance guarantees interoperability with renewable energy and distributed energy resource (DER) systems. The EM600 Series also offers maximum installation flexibility through its self-powered architecture and multiple current input options: 5 A CTs, 333 mV sensors, or direct connection up to 65 A, depending on the model.

With the launch of the EM600 Series, Carlo Gavazzi further strengthens its position as a complete provider of connected energy monitoring solutions, delivering industrial-grade performance on a future-proof platform ready to evolve with the growing demand for secure, high-speed, and wireless-enabled energy monitoring.

#### Main technical features

- Dual Ethernet ports for daisy-chain connection w/o external switches
- Fast communication with 100 ms refresh time for real-time monitoring
- Modbus TCP/IP and HTTPS REST API for PLC, SCADA, and EMS integration
- Multiple input options:
  - EM640 B – direct connection up to 65 A
  - EM630 B – input for 5 A CTs or 333 mV sensors
- 128 × 96 backlit matrix LCD display for high-contrast readings
- Quick setup and intuitive configuration via front keypad
- Free UCS software and UCS Mobile app for configuration and diagnostics
- SUNSPEC compliant for renewable energy and DER applications
- DHCP, and mDNS for automatic network discovery
- Self-powered device (up to 480 V L-L voltage input)
- Measurement accuracy: Class 1 (EM640) / Class 0.5S (EM630)
- Comprehensive energy measurements (kWh, kvarh, kVAh, per phase and per quadrant)
- Programmable display and slide-show function
- cULus approved

#### ABOUT CARLO GAVAZZI AUTOMATION

Carlo Gavazzi is an international group engaged in the design, manufacturing, and marketing of electronic control components for the global building and industrial automation markets.

Carlo Gavazzi Automation provides customers with technologically innovative, high quality and competitive solutions, in compliance with their requirements and expectations through its 23 National Sales Companies in Europe, the Americas and Asia & Pacific, operating with its factories in Italy, Mexico, Lithuania, Malta, and China.

#### For further information:

Carlo Gavazzi Automation SpA - Via Milano 13 – 20045 Lainate (MI) - Italy  
Marketing and Communication - info@gavazziautomation.com - www.gavazziautomation.com