Eurotech Introduces the DynaGATE 20-30, a new Automotive-certified Multi-service IoT Edge Gateway

The DynaGATE 20-30 combines hardware, software and connectivity to address the challenges of next-generation mobility and connected vehicles applications

Amaro (Italy), April 7th, 2020 – Eurotech, a leading provider of embedded components, systems and Internet of Things (IoT) building blocks, expands its range of automotive-certified Multi-service IoT Edge Gateways with the DynaGATE 20-30. It carries specific features to address the challenges of the next-generation applications for intelligent mobilty and connected vehicles.

The DynaGATE 20-30 combines hardware, software and connectivity to perfectly fit the stringent needs required in the automotive market.

Based on the Intel® Atom™ x5 and x7 (E3900) processors, the DynaGATE 20-30 is a fanless, compact unit designed to exceed the requirements of automotive applications. It features extended operating temperature range, IP54 ingress protection, a wide range automotive power supply and a native support for automotive and industrial protocols.

The DynaGATE 20-30 provides a wide range of connectivity capabilities including a global LTE Cat 4 cellular modem, Wi-Fi, Bluetooth Low Energy, and a GPS with Untethered Dead Reckoning. Real-time kinematic (RTK) positioning is also available as a factory option to enhance the precision of position data for applications where this feature is of capital importance (e.g. precision agriculture).

The DynaGATE 20-30 adds integrated hardware and software security through a dedicated TPM 2.0 chip and is Secure Boot-ready.

Powered by Everyware Software Framework (ESF), the Eurotech framework for IoT Edge devices, the DynaGATE 20-30 is a gateway that is easy to use, program and manage. The friendly web-based user interface allows to visually compose powerful data flows, such as the ones to acquire data from the vehicle through the built-in support for the SAE J1939 and J1708 standards.

Vehicle data can then be analyzed at the Edge and published to the Cloud though the popular MQTT protocol. Everyware Cloud, Eurotech's IoT Integration Platform, completes this solution by providing data integration to the applications and by offering complete management of devices deployed on the field.

For customers requiring more configuration flexibility, Eurotech Professional Services offer an extensive number of customization options for both hardware (additional features, custom front panel/connectors, branding) and software (customized application images).

"The new DynaGATE 20-30 once again shows Eurotech's strong ability to deliver products in a complicated and demanding market such as the automotive one" said Massimiliano Marrone, Eurotech's Boards & Systems Product Manager. "It provides an innovative and long-lasting solution, enhanced by a rich feature set, that will make life and development of applications in the automotive market straight forward".

The availability of the DynaGATE 20-30 is currently scheduled for mid Q2 2020.

About Eurotech

Eurotech (ETH:IM) is a multinational company that designs, develops and supplies Edge Computers and Internet of Things (IoT) solutions – complete with services, software and hardware – to system integrators and enterprises. By adopting Eurotech solutions, customers have access to IoT building blocks and software platforms, to Edge Gateway to enable asset monitoring and to High Performance Edge Computers (HPEC) conceived also for Artificial Intelligence (AI) applications. To offer increasingly complete solutions, Eurotech has activated partnerships with leading companies in their field of action, thus creating a global ecosystem that allows it to create "best in class" solutions for the Industrial Internet of Things. Learn more

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