

Eurotech introduces two Automotive-grade Multi-service IoT Gateways: DynaGATE 10-12 and DynaGATE 10-06, bringing LTE connectivity with E-Mark, SAE/J1455 and up to IP67 ingress protection

AMARO (Italy), December 13th, 2017 – [Eurotech](#), a long-time leading provider of embedded systems and a global leader in Internet of Things (IoT) enablement, expands its range of Multi-service IoT Gateways with the launch of the [DynaGATE 10-12](#) and the announcement of the [DynaGATE 10-06](#). Both systems are carrier pre-certified, with an integrated LTE Cat 1 cellular, GPS, Wi-Fi, BLE, E-Mark and SAE/J1455 certifications and a -40 to +85°C operating temperature.

The DynaGATE 10-12 is a low-power gateway based on the TI AM335X Cortex-A8 (Sitara) processor family, with 1GB RAM and 4GB eMMC. It features a 6 to 36VDC power supply with transient protection and vehicle ignition sense, 2x protected RS-232/RS-485 serial ports, 2x CAN bus interfaces, 3x noise and surge protected USB ports and 4x isolated digital I/Os. The DynaGATE 10-12 is suitable for on-board applications, with a metal enclosure, high retention connectors and screw-flange terminal blocks.

The connectivity capabilities of the DynaGATE 10-12 include an internal LTE Cat 1 modem with dual Micro-SIM support, Wi-Fi, Bluetooth Low Energy, 2x Fast Ethernet ports, and an internal GPS (optionally with Dead Reckoning) for precise geolocation.

The DynaGATE 10-06 is an IP67, heavy-duty IoT gateway for Automotive applications. It features an internal battery that provides minutes of uninterrupted operation in case of power failure. Based on the NXP i.MX 6UltraLite Cortex-A7 processor, with 512MB RAM and 4GB eMMC, the DynaGATE 10-06 features a 6 to 36V power supply with protections and vehicle ignition sense, 3x protected RS-232/RS-485 serial ports, 2x CAN bus interfaces, 1x noise and surge protected USB port and 2x protected digital I/O. All these interfaces are available through a rugged AMPSEAL connector.

The DynaGATE 10-06 connectivity capabilities range from an internal LTE Cat 1 modem with dual Micro-SIM support, Wi-Fi, Bluetooth Low Energy, to a dedicated GPS with optional Dead Reckoning and 2x Fast Ethernet ports on rugged M12 connectors.

“With DynaGATE 10-12 and DynaGATE 10-06, Eurotech consolidates its portfolio of automotive-grade products by providing two Multi-service IoT gateways that ensure reliable performance even under the most demanding conditions” said Marco Cipolat, Eurotech CBDO. “They accelerate the deployment of traditional applications like asset tracking and public transportation while enabling new IoT scenarios directly in the field.”

In addition, the DynaGATE 10-12 and DynaGATE 10-06 connectivity capabilities can be expanded through the [ReliaCELL 10-20](#) family, that includes several 2G/3G/LTE global, rugged cellular modules certified by leading

carriers. The DynaGATE 10-12 is also expandable with Eurotech [RelialORA 10-12](#), a LoRa LPWAN Gateway unit, and the [RelialO 10-12](#), a DAQ unit that provides analog inputs, more digital I/O interfaces and other functionalities.

The DynaGATE 10-12 and the DynaGATE 10-06 come with a genuine Oracle Java SE Embedded 8 Virtual Machine and Everyware Software Framework (ESF), a commercial, enterprise version of Eclipse Kura, the Java/OSGi edge computing platform for IoT gateways. Distributed and supported by Eurotech, ESF adds advanced security, diagnostics, provisioning, remote access and full integration with [Everyware Cloud \(EC\)](#), the Eurotech IoT integration platform (separately available).

Availability:

- DynaGATE 10-12 from early Q1'18
- DynaGATE 10-06 from Q1'18

About Eurotech

Eurotech (ETH:IM) is a global company that designs, creates and delivers full Internet of Things solutions, including services, software and hardware to leading systems integrators and enterprises large and small. With Eurotech solutions in place, clients have access to the latest open source and standardized software stacks, flexible and rugged Multi-service IoT Gateways and sophisticated sensors to bring actionable data from the field into business operations. Working with world-class ecosystem partners, Eurotech delivers on the promise of the Internet of Things either from end to end, or with best in class building blocks, including device and data management, connectivity and communication platform, intelligent edge devices and smart objects following business models that fit today's business world. Learn more about Eurotech at www.eurotech.com.

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