Eurotech introduces the DynaCOR 40-34 and the DynaCOR 50-35 liquid-cooled HPEC systems designed to address the demanding automotive applications environment

Powered by Intel® Xeon® E3 and E5 processors, the two systems for on board installation provide data center-class computational performance, unprecedented density and an innovative direct hot liquid cooling system.

AMARO (Italy), 05th June 2018 – [Eurotech](), a long-time leading provider of embedded systems and a global leader in Internet of Things (IoT) enablement, expands its automotive-grade product portfolio with the [DynaCOR 40-34]() and the [DynaCOR 50-35](), two customizable HPEC systems designed to provide extreme and reliable computational performance at the edge in a totally fan-less and vent-less chassis.

Both units are conceived and designed to be compliant with automotive-grade certifications such as E-Mark, ISO 16750-3 and IEC 60068-2-27.

Their compact, short-depth enclosures largely simplify the installation in applications where space is at a premium; the innovative direct hot liquid cooling system can be quite easily fitted in order to match with the coolant distribution system of the vehicle and allows unique computational density.

The [DynaCOR 50-35]() is designed to provide extreme computational performance thanks to a dual Intel Xeon E5-2600 CPU with up to 14 cores at 2.60GHz and 64GB of soldered-down RAM; additional processing capabilities are delivered by up to 2x NVIDIA GTX 1070 GPU cards. The system is equipped with 2x 40/56GbE network ports, one 512GB SATA SSD and allows optional expansion boards. It weighs less than 20kg in a 210 x 210 x 650mm enclosure.

The [DynaCOR 40-34]() brings unprecedented networking storage capabilities to the field thanks to 2x 7.68TB NVMe SSD and 2x40/56GbE ports. Powered by the Intel Xeon E3 v3 CPU family with up to 4 cores and 3.70 GHz of clock speed, it features 32GB of soldered-down RAM and one 256GB SATA SSD. With a 157 x 162 x 455 mm compact enclosure and weighing only 10kg, this unit features an optional vehicle Docking Station: systems can be quickly swapped to make data instantly available for off-vehicle processing.

"The DynaCOR 40-34 and the DynaCOR 50-35 being part of the Eurotech HPEC portfolio inherit years of design and development in the HPC technology" commented Giuseppe Surace, Eurotech's Chief Product and Marketing Officer "With their compact and rugged design, both systems provide extreme edge computing and storage capabilities to address the most complex algorithms and computational needs typical of the embedded automotive applications".

Both systems are largely configurable and more configuration options are available through Eurotech Professional Services: the system's active midplane provides up to 96 PCIe lanes for additional GPUs, NVMe, high-speed networking cards and specialized modules, such as vehicle bus interfaces, high speed frame grabbers and more.

The DynaCOR 40-34 and the DynaCOR 50-35 are available for orders.

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 s solutions in place, clients have access to the latest open source and standardized software stacks, flexible and rugged multi-service 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.

Contacts

Eurotech Corporate Communication
Giuliana Vidoni
+39.0433.485462
giuliana.vidoni@eurotech.com

EUROTECH spa
Via F. Solari, 3/A 33020 Amaro (UD) - ITALY
Tel. +39 0433 485411 – Fax. +39 0433 485499
welcome@eurotech.com

www.eurotech.com