

## **A Rugged SWaP Optimized Data Logger with 100Gbs Input Interfaces and 123TB Storage at 64Gb/s of Writing Speed to Support Data-intensive Applications**

*The new DynaCOR 40-35 provides unmatched performance in a very compact design for extreme environments requiring high-speed raw data acquisition*

**Amaro (Italy), April 2, 2020** – Eurotech, a pioneer in embedded and industrial computers development and leader in the enablement of IoT solutions, presents the [DynaCOR 40-35](#), a high-performance rugged data logger for Edge deployment. Featuring up to 123TB of NVMe storage, 64 Gb/s of sustained writing speed and 100Gbs interfaces, it is designed to support sensors fusion requirements in data-intensive applications that demand high-speed raw data transfer from a variety of sensors, cameras, RADAR, LIDAR, etc.

The DynaCOR 40-35 is available in pre-configured and custom variants, which allows meeting the requirements of [Transportation](#), [Defense](#) and [Industrial](#) use cases. Eurotech Professional Services are available to customers needing application-specific peripherals and/or dedicated interfaces like: CAN-bus, Camera-link or MIPI CSI2 for ultra high speed cameras and RADARs. Eurotech Professional services also provide a complete path to get additional application specialized certifications.

The DynaCOR family has a proven track record of reliable operation in harsh environmental conditions such as those found in manufacturing facilities and mobile installations. The DynaCOR 40-35 is part of the Eurotech family of HPEC products and therefore it can naturally be integrated with other products such as the [DynaCOR 50-35](#) and the high-performance switches [DynaNET 100G-01](#) and [DynaNET 10G-01](#), to build high-performance computing, data logging and networking architectures for unmatched performance in Edge applications where space is at a premium.

An advanced and original, direct hot-water cooling system keeps all the internal components at an ideal temperature, regardless of the environmental conditions. This allows a much better performance and density compared to traditional fan-based cooling systems and the deployment in recesses without air flow/exchange or in applications where noise is not acceptable.

Moreover, the DynaCOR 40-35 features a wide-range power supply (9-58 VDC) and a system management and monitoring unit allows safe boot, operation and system shut down. The system is designed and

certified to endure wide temperature ranges, strong vibration and humidity levels and unstable power supplies, like those found in Transportation applications.

“There is an increasing demand for storage capacity and performance at the Edge for a wide range of data intensive applications” states Giuseppe Surace, Chief Product & Marketing Officer at Eurotech. “The DynaCOR 40-35 offers unmatched performance in a compact and fanless system for industrial, communication transportation and heavy-duty installations and generally for any rugged environment”.

### **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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