

Eurotech announces CPU-162-23, a new rugged and HPEC-ready COM Express Type 7 module with Intel® Xeon® D-1500 and up to 64GB ECC RAM

AMARO (Italy), November 27, 2017 – [Eurotech](#), a long-time leading provider of embedded systems and a global leader in Internet of Things (IoT) enablement, announces a new fanless COM Express module for rugged and HPEC applications.

The [CPU-162-23](#) is a rugged COM Express Basic (125x95mm) Type 7 board that brings the computational performance and RAM capacity of a server to the field: it is based on the Intel® Xeon®/Pentium® D-1500 processors and supports up to 4x DDR4 SO-DIMM modules with or without ECC for a total capacity of 64GB. The board comes with many high-speed interfaces, such as up to x32 PCI Express lanes, 2x 10Gbps and 1x 10/100/1000Mbps Ethernet ports. Other interfaces include 2x SATA 3.0, 4x USB 3.0 and 4x USB 2.0.

With a variety of high performance CPU configurations and a large memory capacity, the CPU-162-23 is designed to deliver supercomputing processing and data center grade networking to the edge in a very compact module that can be embedded in rugged and fanless systems.

Furthermore, the CPU-162-23 is a reliable building block for Industrial and Transportation applications, enabling server class workloads and high-end embedded IoT edge computing, thanks to its extended operating temperature range (-40°C to +85°C), Error Correcting Code (ECC) memory, soldered down CPU and long-life cycle.

With this new board, Eurotech expands its COM Express product portfolio, ranging from the [CPU-161-18](#), a Xeon D-1500 Compact Type 6 module, to the [CPU-163-15](#) Mini Type 10 with the Intel E3800 CPU.

“The CPU-162-23 is the latest entry in our COM Express catalog, adding more options to customers who require a unique combination of computational performance and ruggedness”, said Pierfrancesco Zuccato, Eurotech Senior Product Manager, “It allows delivering unprecedented performance to a wide range of traditional and novel applications in the field.”

The CPU-162-23 is [Everyware Software Framework \(ESF\)](#) ready, a commercial, enterprise-ready edition of Eclipse Kura, the open source Java/OSGi edge computing platform for the development of IoT applications. Distributed and supported by Eurotech, ESF adds advanced security, diagnostics, provisioning, remote access and full integration with [Everyware Cloud \(EC\)](#), Eurotech IoT integration platform (separately available).

The CPU-162-23 supports Yocto Linux and CentOS 7. Other operating systems, including Windows 10 Enterprise and RTOS, are available through Eurotech Professional Services, which also include BIOS personalization, carrier board design, system development and production. Deep module customization, such as feature changes are also available.

The CPU-162-23 will be available for orders Q2'18.

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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