Eurotech launches CPU-162-24, a new rugged COM Express Type 6 module with Intel® Xeon® E3-1500 v6 for High Performance Edge Computing

The CPU module features high performance graphics for hardware acceleration and a rugged and fanless design for consistent operations in harsh environments

Amaro (Italy), April 20th, 2020 – Eurotech, a long-time leading provider of embedded systems and a global leader in Internet of Things (IoT) enablement, launches a new fanless COM Express module for rugged and HPEC applications.

The CPU-162-24 is a COM Express Basic (125x95mm) Type 6 module based on the Intel Xeon E3-1505L v6 and 1505M v6 processors and supports up to 2 DDR4 SO-DIMMs with ECC, for a total capacity of 32GB.

Ideal for high performance graphics and video applications, the CPU-162-24 features an integrated GPU that provides hardware acceleration and up to three simultaneous video outputs.

IoT, Industrial, Transportation and Defense applications benefit from the low power consumption of this high-end CPU, which delivers fanless computing in extended operating temperature range (-40°C to +85°C).

With a long-life cycle, optional conformal coating and a soldered down CPU, the CPU-162-24 is a reliable building block for fanless Edge devices and Edge servers that need to perform consistently in harsh environmental conditions.

This new product further expands Eurotech COM Express portfolio, ranging from the CPU-162-23, a Xeon D-1500 Basic Type 7 module, to the CPU-163-16, a Mini Type 10 with the Intel E3900 CPU.

"The CPU-162-24 offers a great combination of power efficiency and computational capacity, bringing a real benefit to customers who want to cut time to market with a platform they can depend on", said Pierfrancesco Zuccato, Senior Product Manager at Eurotech. "Not only it fully complies with industry standards, it can also be complemented with Eurotech Professional Services to dramatically shorten Time To Market and ensure a smooth transition from prototype to production."

Eurotech Professional Services are offered as an option and include BIOS personalization, carrier board design, system development and production. Deep module customization, such as feature changes are also available.

The CPU-162-24 supports Eurotech Everyware Linux and Windows 10 IoT Enterprise; full support for customer carrier board enablement and RTOS are available through Eurotech Professional Services, just like the full integration with Eurotech's IoT Edge Framework Everyware Software Framework (ESF). ESF provides native connectivity with many IoT Cloud services and among them, Everyware Cloud (EC – separately available), Eurotech's IoT Integration Platform, which allows remote device and data management and integration with analytics and IT applications.

The CPU-162-24 will be available for orders mid Q2'20.

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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