

Kontron announces the Development of a COM-HPC Mini Module

COM-HPC Mini enables maximum performance in miniature format

Ismaning, Germany, November 15, 2023 – [Kontron](#), a leading global provider of IoT/Embedded Computer Technology (ECT), announces the development of a COM-HPC Mini module based on the COM-HPC 1.2 specification approved by PICMG on 6 October 2023.

With the ratification of the COM-HPC 1.2 specification to COM-HPC Mini, PICMG has significantly extended the high-performance standard. Customers now benefit from the broad scalability of the standard, offering new application possibilities.

The COM-HPC Mini module measures only 95 mm x 70 mm and thus complements the COM-HPC standard with a more compact format compared to the COM-HPC client and server formats. With a high-speed connector of 400 pins, including two 10 GbE interfaces and 16x PCIe lanes that support up to PCIe Gen5, as well as 4 USB 4 interfaces, including Thunderbolt and DisplayPort Alternate Mode, the increasing requirements for high-speed IO interfaces are now being taken into account also in the small form factor segment.

Kontron is developing a COM-HPC Mini module based on the next generation Intel® Core™ technology, thus providing a solution with the highest possible performance in a compact and space-saving format for compute-intensive applications as well as demanding control and visualization tasks with minimal space requirements.

With the expansion of Kontron's wide range of COM-HPC implementations in various performance levels and functionalities, the perfect module can now be selected to match the requirements of the individual IIoT application.

"COM-HPC Mini enables the integration of ultra-high-performance COMs in the smallest application areas. It is crucial that the technical possibilities of the Intel® Next Gen Core™ platforms can be fully utilized," explains Irene Hahner, Product Manager COM-HPC Modules at Kontron.

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About Kontron

Kontron is a global leader in IoT/Embedded Computing Technology (ECT) and offers individual solutions in the areas of Internet of Things (IoT) and Industry 4.0 through a combined portfolio of hardware, software and services. With its standard and customized products based on highly reliable state-of-the-art technologies, Kontron provides secure and innovative applications for a wide variety of industries. As a result, customers benefit from accelerated time-to-market, lower total cost of ownership, extended product lifecycles and the best fully integrated applications. For more information, please visit: www.kontron.com

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