

Kontron introduces COM Express® Basic Type 6 with Intel® Core™ Ultra Meteor Lake H/U Processors

AI-capable COM Express module for image processing and automation applications

Ismaning, Germany, April 8, 2024 – [Kontron](#), a leading global provider of IoT/Embedded Computer Technology (ECT), introduces a new COM Express® Basic Type 6 Module featuring the state-of-the-art Intel® Core™ Ultra Meteor Lake-H/U series processors. An outstanding feature of the new processor technology is that it integrates multiple compute engines into one System-on-Chip (SoC), including P-cores, E-cores, Intel® Arc™ GPU, and Intel® AI Boost, an integrated Neural Processing Unit (NPU).

Intel® Core™ Ultra processors provide multiple compute engines, including Intel® AI Boost, in one SoC, enabling fast AI and vision processing without an entry-level discrete GPU for data inference, real-time control, and AI in a single platform. This helps to accelerate inference at the edge while reducing the need for a discrete accelerator and lowering system complexity and cost.

The COM Express® basic Type 6 based on the Intel® Core™ Ultra Meteor Lake-H/U Series comes along with Performance Hybrid architecture supporting up to 16 cores (up to 6 P-cores, 8 E-cores, and 2 LPE-cores), Intel® Arc™ Graphics architecture with up to 8 X^e-Cores (128EUs) and integrated NPU for dedicated AI acceleration. Up to 96 GB of DDR5 memory, up to 2.5 Gb Ethernet and optional NVMe SSDs onboard enable high and energy-efficient data throughput with low latency.

The new processor technology is well suited for machine vision and automation applications, even in space- and power-constrained environments. Users can expect faster results from AI, more media streams per device, and long-life availability for long-term value.

The new COM Express® Basic module will be available from Q3 2024.

Further Information:

A photograph in high resolution is provided here: <https://profil-marketing.cloud/index.php/s/a54XF5CCFowegDn>

For more information, please visit: <https://www.kontron.com/en/products/come-bmt6/p184192>

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About Kontron

Kontron AG (www.kontron.com, ISIN AT0000A0E9W5, WKN A0X9EJ, KTN) is a leading IoT technology company. For more than 20 years, Kontron has been supporting companies from a wide range of industries to achieve their business goals with intelligent solutions. From automated industrial operations, smarter and safer transport to advanced communications, connectivity, medical, and energy solutions, the company delivers technologies that add value for its customers. With the acquisition of Katek SE in early 2024, Kontron significantly strengthens its portfolio with the new GreenTec division, focusing on solar energy and eMobility, and grows to around 8,000 employees in over 20 countries worldwide. Kontron is listed on the SDAX® and TecDAX® of the German Stock Exchange.

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