

» For Immediate Release «

**Kontron extends performance and scalability of COM Express™
Computer-on-Modules based on
Mobile Intel® GM45 and GL40 Express chipsets**

*Three new COM Express™ compliant ETXexpress-PC module SKUs
with the highly-efficient power-off S5 Eco state*



Eching, Germany, January 25, 2009 – Kontron's [COM Express™](#) Computer-on-Modules family [ETXexpress®](#) now includes three new [Kontron ETXexpress®-PC](#) SKUs, adding support for the Mobile Intel® GM45 Express and Mobile Intel® GL40 Express chipsets. Customers benefit from a greater performance range and scalability in Kontron's extensive COM Express™ compliant (Basic Form Factor, pin-out Type 2) ETXexpress® product line.

Equipped with the Mobile Intel® GM45 Express chipset and Intel® Core™2 Duo T9400 processor, this new version of the Kontron ETXexpress®-PC brings the highest processing power to Kontron's COM Express™ Basic Form Factor offering. Kontron's COM Express™ module equipped with the Intel® Core™2 Duo P8400 processor pairs processing power with cost efficiency. The third new Kontron ETXexpress-PC module SKU, based on the Mobile Intel® GL40 Express chipset and 2.0 GHz Intel® Celeron® M Processor M575, is ideal for very cost-sensitive applications. All three new modules feature Kontron's new highly-efficient power-off S5 Eco state. The S5 Eco state replaces the conventional S5 mode to reduce the module's power consumption to less than 1 mA, which is a reduction by at least factor 200.

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Due to its wide chipset and processor range, the expanded family of Kontron ETXexpress®-PC Computer-on-Modules now supports even better the fast and easy implementation of [COTS](#) solutions. Kontron COM Express™ products represent the computing core of choice for nearly all high-end applications requiring a full feature set that is consistent within the family and a dedicated carrier board. In the infotainment market, they are a perfect fit for [POS/POI](#), electronic billboards, interactive kiosks, and self-service terminals. Extensive video and graphics capabilities also make Kontron ETXexpress®-PC COMs an optimal solution for the [gaming, entertainment, and hospitality markets](#) where high-definition, media-rich platforms are essential. These same graphics capabilities make them well-suited for real-time X-ray imaging and ultrasound devices in the [medical sector](#). [Industrial markets](#) such as RF testing, sound/vibration analysis, automatic optical inspection, automation, high-end programmable logic controllers (PLCs), human machine interfaces (HMIs), and panel PCs also benefit from COM Express™ modules. In the [military market](#), COMs drive applications such as training simulators, unmanned vehicles, and portable tactical communications (C4) devices.

Kontron ETXexpress®-PC Computer-on-Modules offer support for up to 8 GB DDR3 system memory and provide an extensive range of I/Os via the COM Express™ pin-out type 2 connector: 1x PCI Express Graphics (PEG), 5x PCI Express® x1, 4x Serial ATA with RAID 0, 1, 5, 10 functionality, 1x PATA, and 8x USB 2.0 ports along with Gigabit Ethernet and Intel® High Definition Audio. Via the multiplexed PEG pin out, dual SDVO delivers additional video signals for HDMI and DisplayPort monitor outputs. There is also continued support for non-PCI Express legacy components such as plug-in cards via the PCI 2.1 interface. The integrated Trusted Platform Module (TPM 1.2) makes the Kontron ETXexpress®-PC suitable for data sensitive applications. The 8.5V – 18V wide range power for simplified power distribution rounds off the feature set.

Samples of the new Kontron ETXexpress®-PC Computer-on-Modules are available now. Series production will start by the end of Q1/2010. They support Linux, VxWorks as well as the Windows® OS family, including Windows Vista® XP, 2000, XPe, CE and the new Windows 7®.

Further information on the new Kontron ETXexpress®-PC COM Express™ Computer-on-Modules at: <http://www.kontron.com/products/computeronmodules/com+express/etxexpress/etxexpresspc.html>

Download PDF about the COM Express™ concept: <http://www.kontron.com/com-concept>

ETXexpress® and COM Express™ explained: <http://www.kontron.com/comexpress>

More information about Computer-on-Modules: <http://www.kontron.com/COM>

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About Kontron

Kontron designs and manufactures embedded and communications standards-based, rugged COTS and custom solutions for OEMs, systems integrators, and application providers in a variety of markets. Kontron engineering and manufacturing facilities, located throughout Europe, North America, and Asia-Pacific, work together with streamlined global sales and support services to help customers reduce their time-to-market and gain a competitive advantage. Kontron's diverse product portfolio includes: boards & mezzanines, Computer-on-Modules, HMI's & displays, systems & platforms, and rugged & custom capabilities. Kontron is a Premier member of the Intel® Embedded Alliance and has been a VDC Platinum Vendor for Embedded Computer Boards 5 years running. Kontron is listed on the German TecDAX stock exchange under the symbol "KBC". For more information, please visit: <http://www.kontron.com>

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