

» For Immediate Release «

Kontron MICROSPACE® MPCX28R: Rugged Railway Box PC with Intel® Atom™ Z530 Processor

EN50155 certified and TX compliant especially for railway applications



Eching/Nuremberg, Germany, March 2, 2010 – At Embedded World 2010 in Nuremberg, Germany, Kontron introduces the Kontron [MICROSPACE® MPCX28R](#) an EN50155-certified and TX-compliant Rugged Railway Box PC.. By receiving certification and compliance, Kontron's latest rugged Box PC helps OEMs accelerate their time to market and reduce hardware design costs for their railway applications. The long-term available and — with 1.6 GHz Intel® Atom™ Z530 processor — particularly energy efficient [Box PC](#) offers a 1.5 kV isolated power supply and robust M12 interface connector for 2x Fast Ethernet, USB 2.0 and power.

Designed for the extended temperature range from -25 to 70 °C and in a rugged profiled-aluminum case, the passively cooled Kontron Railway Box-PC is based on the 1.6 GHz Intel® Atom™ processor Z530 with 533 MHz FSB and supports up to 1GB of DDR2 RAM. The integrated graphics chipset offers 256MB of memory, DirectX 9 3D as well as HDTV support, and the integrated MPEG2 and H.264 decoders reduce processor load while displaying HD video.

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Both the bay for one 2.5" SATA 300 hard drive, or SSD, as well as the slot for Compact Flash media, are easily accessible from the front. This makes the especially compact and ready to install Box PC system particularly suitable for [passenger infotainment](#) or security applications, as saved media can easily be exchanged simply by swapping out the storage device. Furthermore, for customer-specific extensions, the robust Railway Box PC features a PCI/104 expansion slot for ultra-thin and space-saving PCI/104 expansion cards. Application-specific enhancements such as dual-CAN, GPS, GSM/UMTS or WLAN can easily be integrated via two PCI Express® Mini Card slots. An eSATA port also allows the use of an external data storage medium to further extend storage capacity.

For integration into [railway applications](#), the comprehensive interface offerings of the Kontron MICROSPACE® MPCX28R Box PC include especially rugged M12 interface connectors grant a reliable and failure safe connection for 2x fast Ethernet (1x LAN boot, 2x Wake-on-LAN), 1x USB 2.0 and the power connector for the 1.5kV isolated power supply (24-110V). In addition, the front of the Box PC offers two USB 2.0 ports, two 3.5 mm jacks for stereo input and output, and a SIM slot for mobile communications. On the rear there are two additional USB 2.0 ports and DVI-I for analog and digital video signals with a resolution of 2048 x 1536 on external monitors. Two robust D-sub connectors for COM ports (RS232C / RS422/485) and additional DC-isolated digital I/Os round out the feature set.

Besides remotely-controlled on and off, the system also enables customer-specific event-driven functions such as Wake-on-Ring or Wake-on-LAN.

The new Kontron MICROSPACE® MPCX28R Railway Box PC supports Windows XPe/XP/Vista/7 and Linux. The fully EN50155, CE- and E1-compliant and TX-certified series products are expected to be available in Q1 2010 in EMEA and in Q4 2010 in North America and APAC.

For more information on the new Kontron MICROSPACE® MPCX28R Railway Box PC please visit:
<http://www.kontron.com/products/systems+and+platforms/embedded+box+pcs/fanless+box+pc/microspace+mpcx28r.html>

For more information on Kontron Embedded Box PCs please visit:
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Kontron, the global leader of embedded computing technology, 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, HMIs & 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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