Robust and fanless multi-purpose Box PCs CB 511 and CB 753

ECN Europe

Kontron has announced two new robust and fanless Embedded Box PCs [1] which feature a range of industrial interfaces, the ultra-compact Embedded Box PC CB 511 and the Embedded Box PC CB 753.

The Kontron Embedded Box PC CB511, which has been developed to operate in especially tough environmental conditions, and is equipped with an Intel Atom N270, boasts excellent energy efficiency and is designed for the extended temperature range of -15°C to +60 °C. The Kontron Embedded Box PC CB 753 with Intel Core 2 Duo processor offers a compact construction with a high level of performance. It features two PCI slots and a PCI Express Mini Card slot for flexible configuration, making it ideal for a wide range of OEM applications which could previous only be addressed by 2U servers.

[2] *Picture: Kontron*

Kontron’s Embedded Box PCs CB 511 and CB 753 offer long-term availability and reliability. With an extensive range of industrial interfaces they can be integrated seamlessly into a broad range of OEM applications in the fields of automation, digital signage, gaming and infotainment. Due to the energy-efficient characteristics of both Box PCs passive cooling in the closed aluminium chassis suffices and makes them more robust than previous designs. Additionally, if rotation-free, flash-based storage media are used, the operating noise is 0db, which makes the Box PCs ideal for noise-sensitive applications in medical technology where equipment is close to patients. To ensure flexible application and integration in the future, Kontron offers both Box PCs with different mounting options for vertical and horizontal mounting or for rack-mount. The MTBF (Mean Time Between Failures) has been specified at approximately 50,000 hours (Kontron CB 753: 40,000 hours). Kontron’s Embedded Box PCs CB 511 and CB 753 are CE certified and designed to meet UL.

The feature-set of the Kontron Embedded Box PC CB 511 ***[3]***

The Kontron CB 511 with its extremely compact size of 51mm x 250mm x 140mm offers high performance per watt for applications which call for a robust design. It features the Intel Atom N270 processor with 1.6GHz, Intel 945GSE Embedded chipset and up to 2GB of DDR2-RAM. The standard version of the Kontron CB 511 comes with the following range of industrial interfaces; 1x RS232, 2x GB LAN, 4x USB and VGA. Optionally it can be equipped with 1x e-SATA, 1x DVI-D, 1x RS232 and Wi-Fi. If required, it can also be extended with a Mini PCI Express extension slot and a CF socket for data storage.

The feature-set of the Kontron Embedded Box PC CB 753 ***[4]***

The Kontron CB 753 measures 75 mm x 350 mm x 260 mm and offers high performance for data-intensive applications with an Intel Core 2 Duo Mobile P8400 processor with 2.26GHz, 1066MHz FSB and up to 8GB of DDR3-RAM. Similar to other Embedded Box PCs such as the Kontron CB 751 and CB 752, the new Kontron CB 753 also offers a range of industrial-suited configurable interfaces (4x USB, 3x GB LAN, 4x RS232, PS/2 M+K, VGA, Line in, MIC In, 7.1 HD Audio, 1x Firewire and SVideo). Via two PCI extension slots or one PCI Express x16 extension slot and a PCI Express Mini Card slot, the interfaces can be configured to accommodate different customer-specific options such as DVI-D, Wi-Fi, GPS, CAN or digital I/Os. A bay for a 2.5″ SATA-HDD or SDD and a CF socket are available for storage media.

The Kontron Embedded Box PCs CB 511 and CB 753 will be available in EMEA in April 2011. Kontron Embedded Box PCs support Linux Embedded, Microsoft Windows XP, Windows XP Embedded and Windows CE 6.0.

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[1] http://www.kontron.com/products/systems+and+platforms/embedded+box+pcs
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