

Kontron

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**kontron****Kontron KTC5520-EATX Server Board****Embedded Server Board****Dual Intel® Xeon® Quad-Core Processor 5500 Series**

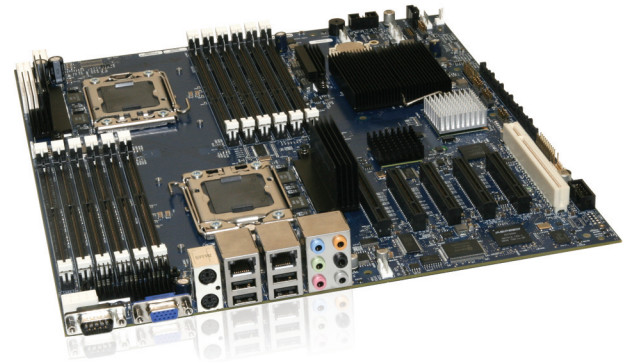
Kontron adds a server class category to its already extensive portfolio of embedded and standard motherboard products. This new category features long-life embedded server processors from Intel. These server boards are ideal for the medical imaging, simulation, storage, multimedia telecom, and data center markets. They also offer leading-edge remote management tools with support for KVM and VM over IP for real-time access.

Designed with an extensive feature set and two new Intel® Xeon® 5518 45nm quad-core processors, the Kontron KTC5520-EATX SSI EEB-compliant server board offers extreme performance, high I/O bandwidth, and exceptional reliability – backed by up to a 7-year life-cycle support program, ensuring that this Kontron server board will be widely applicable for a multitude of design applications.

An attractive selling point for network managers is the server board's built-in ability to be fully managed remotely. Kontron uses an Integrated Management Processor (IMP) that integrates VGA/2D, BMC, and KVM/VM over IP to support real-time access with full control by Keyboard, Video monitor, and Mouse (KVM) and Virtual Media (VM) by a single local computer from anywhere, at any time. Intelligent Platform Management Interface (IPMI) 2.0 compliant using IPMI over LAN, the server board provides the OS-independent and cross-platform interface for monitoring the server system's temperature, voltage, and fan status, among other items, and permits out-of-band management even when the main processors are not powered in.

With KVM and VM over IP, administrators can install software from a remote drive (floppy, CD/DVD-ROM, flash device, HDD) to target servers for convenient installation. At the same time, the KVM/VM function enables faster troubleshooting by fixing server problems from anywhere, while IPMI proactively sends alarms about environmental issues that could threaten the server's services, therefore reducing system downtime and operation costs.

The Intel® Xeon® 5500 processors eliminate the memory bottleneck with an integrated DDR3 channel memory controller and Intel® QuickPath Technology to speed traffic between processors and I/O controllers.

**FEATURES**

- › Cost-effective and long-life server-class embedded motherboard
- › Designed with an extensive feature set and two new Intel® Xeon® 5518 45nm quad-core processors
- › New Intel microarchitecture processor/chipset
- › KVM/VM over IP and remote management; IPMI v2.0
- › Dual Gigabit Ethernet connectivity
- › Up to 48GB DDR3 registered ECC SDRAM
- › Optimized for virtualization
- › Ideal for medical imaging, simulation, storage, multimedia telecom, and data center markets
- › Backed by up to a 7-year life-cycle support program