

PRESS RELEASE

For immediate publication



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ACTIS Computer announces the first 3U CPCI Conduction cooling Single Board Computer designed with the new 90 nm Freescale PowerQUICC 3 MPC8545E

Build around the second generation of PowerQUICC 3 designed by Freescale Semiconductor using 90 nm technologies, the new CSBX-3545 set a new level of performance per watt with power dissipation at 1.2 GHz similar to the previous generation at 800 MHz.

Taking advantage of this feature, ACTIS engineers have been able to design a 3U CPCI Single Board Computer available either for standard convection cooling applications, or rugged conduction cooling critical embedded applications. The new CSBX-3545 processor runs at speed up to 1.2 GHz with up to 1 Gbytes of soldered DDR memory with ECC support and 8 Mbytes of Flash memory for the on-board monitor software. In addition a 1 GByte NAND Flash is provided for data or program storage.

To further increase the flexibility of the board, without compromising reliability or thermal dissipation with a mezzanine module, the ACTIS board includes an Altera Cyclone II FPGA offering up to 50k Logic Elements, 580 kbits of RAM, and 86 embedded multipliers. This FPGA, connected to its own 64 Mbytes of dedicated SDRAM memory, provides

additional hardware computational resources to accommodate demanding applications or can be programmed to extend the interfacing capabilities of the board with user-tailored solutions.

In addition the CSBX-3545 provides two Gigabit Ethernet ports for Switched buses architectures (blades concept) and a standard 32-bit CPCI bus interface for local extensions. All I/O's are available through the rear connector P2 and a rear transition module is available for convection cooling applications.

This board will be available in third quarter 2006 in 3 versions:

- commercial range: 5°C to +55°C convection cooling
- extended temperature range: -20°C to +71°C convection cooling
- rugged version: -40°C to +85°C conduction cooling

Software supported includes VxWorks and LINUX BSP, others real time OS's can be ported on request.

For more technical data please refer to the following datasheet or contact our sales offices and distributors.

Have a look to our Website : www.actis-computer.com or contact our sales department by mail with our special CSBX-3545 address csbx3545@actis-computer.com or by phone in USA : +1 480 838-1799 or other countries : +41 22 706-1830.

ACTIS Computer Marketing dept.

Pictures : <http://www.actis-computer.com/Gallery/CSBX3545.jpg>

Data sheet : http://www.actis-computer.com/Doc/DS_CS BX3545.pdf

Processor : <http://www.actis-computer.com/Doc/MPC8548FS.pdf>