

Concurrent Technologies Announces a new High Performance AdvancedMC Processor Board

Compute Intensive AdvancedMC processor board based on an *Intel® Xeon® processor D-1500*.

Concurrent Technologies announces a single module, full-size or mid-size AdvancedMC® processor board based on the Intel® Xeon® processor D-1500 product family. With high performance PCI Express® (PCIe®) Gen 3 connectivity on the backplane, AM E4x/msd is ideally suited for applications within the industrial, test, wireless, scientific and semiconductor markets that require multi-processor or multi-board solutions with high data transfer bandwidths.

Users with multi-threaded or virtualized applications will notice a significant performance upgrade by using the 12-core AM E4x/msd as an upgrade to the popular 4-core AM F5x/msd board. AM E4x/msd has a compute performance of 576 single precision GFLOPS compared to the 358 GFLOPs of AM F5x/msd within a similar power envelope. In addition to raw processing performance, AM E4x/msd is fitted with up to 32GB DDR4 DRAM Error Correcting Code (ECC) memory. The use of ECC ensures internal memory data corruption is minimized allowing reliable, high speed memory access speeds with single bit error correction and dual bit error detection. A variety of front panel connectivity includes: 2x 10G Ethernet for enhanced high-speed networking connectivity; a DisplayPort allowing the user to connect to an external graphics display; one USB 3.1 (Gen 1) and one RS232 serial port. For users needing local storage, AM E4x/msd also has an option for a removable solid-state disk module with up to 128GB capacity for operating system, application code and data storage.

Jane Annear, Managing Director of Concurrent Technologies commented:

“Our AdvancedMC modules are suitable for a range of applications and markets. Our new AM E4x/msd module has been specifically designed to provide a significant performance upgrade compared to our previous AdvancedMC modules. High performance is a key factor for many users and by using AM E4x/msd, they are able to run their applications with more intensive algorithms and generate faster response times.”

