6U single-slot processor blade designed for use by robust computer makers and intelligent system integrators

ADLINK Technology announces availability of the cPCI-6520, a 6U single-slot CompactPCI (CPCI) processor blade designed for use by robust computer makers and intelligent system integrators in mission-critical applications such as those developed for the military sector. With its 22nm 3rd generation quad- and dual-core Intel Core i7 Processor and Mobile Intel QM77 Express Chipset with dual channel DDR3-1333/1600 ECC memory up to 16GB capacity, the cPCI-6520 delivers tremendous computing power, massive I/O and memory capacity, and flexible connectivity for robust computing applications requiring server-class performance. The cPCI-6520 is a performance computing solution with enhanced management features such as PICMG 2.9 compliant IPMI, remote management based on Intel vPro technology and optional Trusted Platform Module (TPM) for security management. Wide temperature range support is available up to -40°C to 85°C (operating).

The ADLINK cPCI-6520 Series offers oustanding processing and graphics performance for applications requiring reliable, scalable CompactPCI products with the latest quad-core CPU, 2D/3D graphics engine with multiple displays. Three independent display functionality is provided via two dual-mode DisplayPorts and DVI/VGA graphics interfaces. The DisplayPort interface supports single-link DVI or HDMI with a passive adapter cable and analog VGA output via an active adapter cable. When coupled with a ADLINK XMC-G460 graphics module installed in the XMC site, or an ADLINK cPCI-R6700 Rear Transition Module, the cPCI-6520 Series

supports up to four independent displays.

On-card connectivity includes two front panel GbE egress ports, three USB 3.0 ports, bootable CompactFlash socket, on board 7-pin SATA 6Gb/s connector for external storage device and SATA 6Gb/s direct connector for an onboard 2.5” drive to provide flexible storage capabilities. The cPCI-6520 also provides a PMC/XMC expansion site supporting 64-bit 133MHz PCI modules or PCI Express x8 XMC modules. Rear I/O storage interface includes up to three SATA ports with RAID 0/1/5/10 support and up to eight SAS ports supporting hardware RAID by the cPCI-R6200 RTM.

The cPCI-6520 Series can operate in a system slot as a master or in a peripheral slot as a standalone blade for high density computing applications. The cPCI-6520 provides dual channel DDR3-1333/1600 with ECC up to 16GB with one channel soldered onboard up to 8GB and one channel socket up to 8GB. The flexible memory design ensures that the cPCI-6520 is a reliable platform for ruggedized applications. The cPCI-6520 is also validated for reliability in extended temperature conditions ranging from -20°C to 70°C. Select SKUs can support extreme temperatures ranging from -40°C to 85°C with optional conformal coating. Compatible operating systems for the cPCI-6520 include Windows XP, Windows 7, Fedora 16, Red Hat Enterprise Linux 6.2 and VxWorks 6.9.

For more information, please go to http://www.adlinktech.com/cPCI/ [1]

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