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Advantech Unveils Its New Superior Performance PICMG 1.3 SHB PCE-5125 with Intel® Q57/3450 Platforms

**Düsseldorf, October 2010** – Advantech, the leading global ePlatform services provider, is pleased to announce the release of PCE-5125, the PICMG 1.3 form-factor single host board which is designed with the Intel® Q57/3450 Express platform for industrial applications that require high computing power and strong I/O capability such as AOI, medical imaging and environmental monitoring.

**Leading-edge Computing Technology**

PCE-5125’s core logics, Q57 and 3450 chipsets are based on the new two chip architecture that integrates the north bridge onto the processor to eliminate front side bus bottlenecks and increase overall system performance. Because of the reduced BGA chip on the PCB assembly, product reliability is perfectly enhanced.

PCE-5125 supports 45/32nm manufacture technology, LGA1156 socket Intel® CoreTM i7/i5/i3, Pentium® and XeonTM processors with new micro-architectures named Nehalem and Westmere and supports DDR3 1333 MHz SDRAM up to 8GB. By supporting advanced computing technology, PCE-5125 is suitable for computing power hungry industrial applications.

**Advanced Integrated Graphic Capability**

PCE-5125 performs excellent graphic processing capability via its integrated Intel® HD Graphics graphic core with shared memory up to 1GB, with this feature PCE-5125 can provide strong 2D/3D graphic processing power without a discrete graphic card to save extra cost, power consumption and thermal design effort for an add-on graphic card.

**Rich I/O Interfaces**

PCE-5125 also has rich I/O interfaces, it can support Advantech PCE-5XXX and 7XXX backplanes to offer various expansion slots such as PCI, PCI-X and PCIe slots with its PCIe lanes that are configurable as one x16 or two x8 and four x1 going down to the backplane. The six SATA ports (300MB/sec) support software RAID 0, 1, 5, 10 to be a cost-effective data reliable solution, and the two on-board RS-232 serial ports are for COM-port-based industrial control devices. With great graphics capability and I/O expandability, PCE-5125 can be an excellent, cost effective graphic or I/O oriented workstation class hardware platform.

With outstanding performance and exceptional features, PCE-5125 is the ideal computing platform for advanced industrial applications. The new product is now ready for shipment with two different kind of SKUs- the WG2 and QG2 SKU to support 3450 and Q57 chipsets respectively. The Q57 chipset is focused on the mainstream scalable market with Core i7/i5/i3 processor support and single PCIe x16 expansion. The 3450 chipset is focused on the high-end workstation segment with Xeon processors, ECC memory and dual PCIe x8 expansion slot support.

[Datasheet](http://downloadt.advantech.com/ProductFile/1-GASI0T/PCE-5125_DS%2807.16.10%29.pdf)

[Product Page](http://www.advantech.eu/products/PCE-5125/mod_692BA967-3601-4FBC-8878-94D1EE7484A0.aspx)

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**About Advantech –** Founded in 1983, Advantech delivers trustworthy industrial computing solutions that enable intelligent applications. Our operation is divided into two segments: Branded & Solution Business and Embedded Design-In Business. Advantech is a Premier Member of the Intel® Embedded Alliance. We cooperate closely with solution partners to provide products and customized solutions in a wide array of applications. Advantech operates an extensive support, sales and marketing network in 18 countries and 39 major cities to deliver fast time-to-market services to our worldwide customers. (Corporate Website: [www.advantech.com](http://www.advantech.com))

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