

# ho-COMPUTER / Intel®



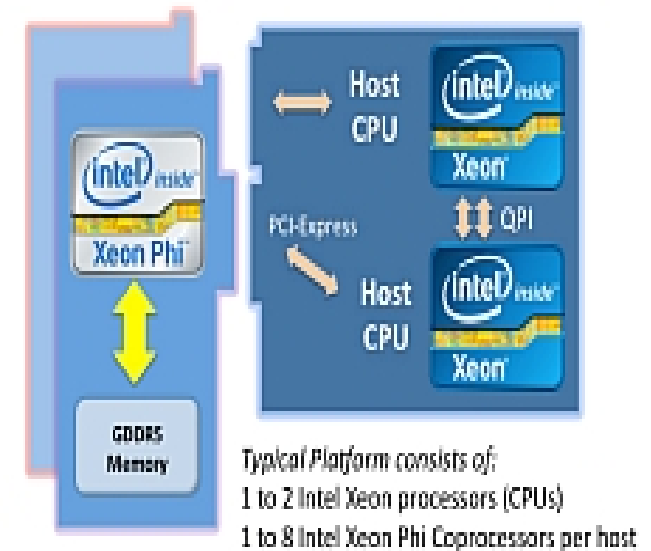
Intel® Xeon Phi™  
Barcelona, June 5-7 2013

- ◆ First 32-Bit Fortran Compiler sold 1990 (Lahey F77L-EM/32)
- ◆ ho-COMPUTER Software GmbH founded 1992
- ◆ Digital/Compaq Visual Fortran
- ◆ Intel Visual Fortran
- ◆ **Official Intel Software Elite Reseller**

# Intel Xeon Phi™ fast facts

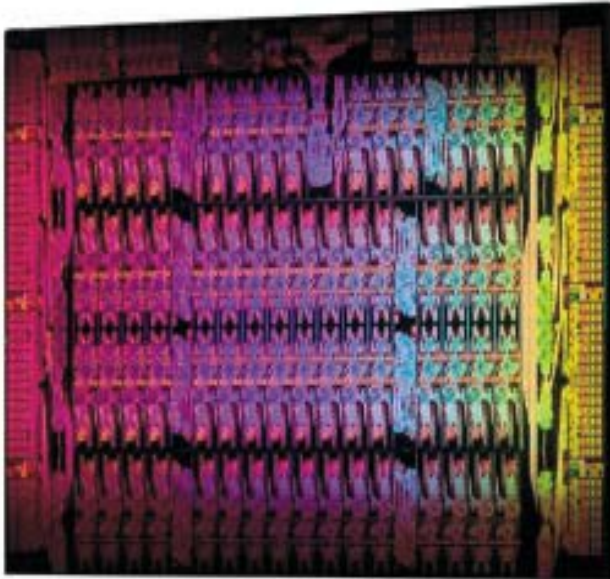


- Up to 61 Cores and 244 Threads per coprocessor
- Up to 352 GB/s memory bandwidth
- 512 Bit SIMD Vectors
- PCI Express form-factor
- Works synergistically with Intel® Xeon® processors



- Available now -

# Intel Xeon Phi™ fast facts



Up to 1 TERAFLUPS of double precision peak performance in every chip<sup>1</sup>

Up to 2.2x higher memory bandwidth<sup>2</sup>

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more information go to <http://www.intel.com/performance>

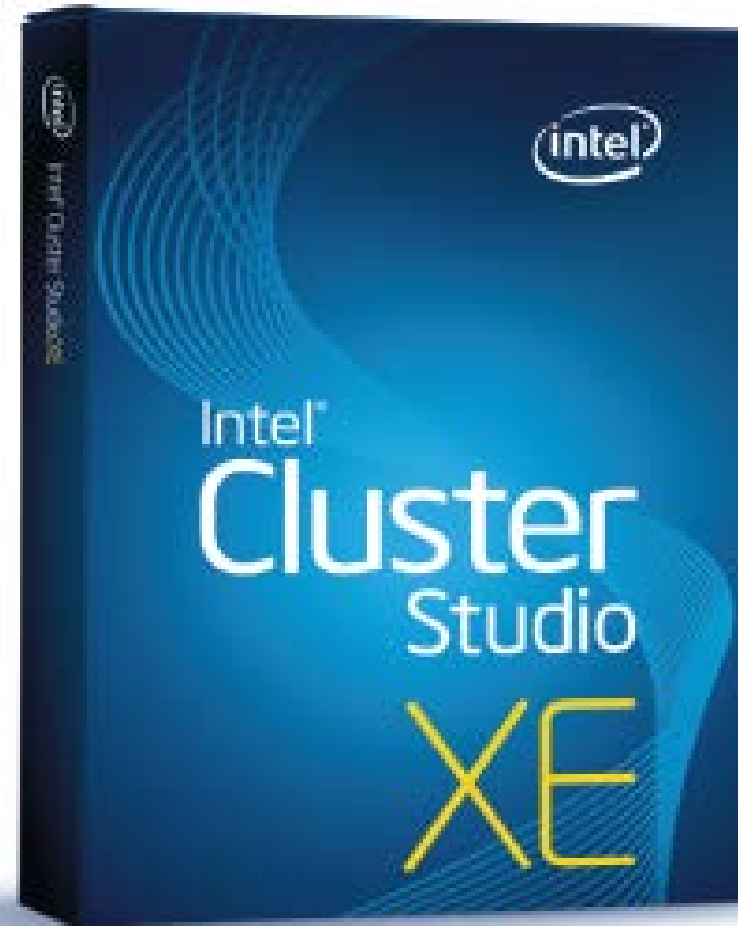
Results have been estimated based on internal Intel analysis and are provided for informational purposes only. Any difference in system hardware or software design or configuration may affect actual performance.

1 Claim based on calculated theoretical peak double precision performance capability for a single coprocessor. 16 DP FLOPS/clock/core \* 60 cores \* 1.053GHz = 1.0108 TeraFlop/s.

2 2 socket Intel® Xeon® processor E5-2600 product family server vs. Intel® Xeon Phi™ coprocessor (2.2x: Measured by Intel October 2012. 2 socket E5-2670 (8 core, 2.6GHz) vs. 1 Intel® Xeon Phi™ coprocessor SE10P (61 cores, 1.1GHz) on STREAM Triad benchmark 79.5 GB/s vs. 175GB/s )

**NEU**

**Intel® Cluster Studio XE 2013**



**Save 15% till  
end of August 2013**

## Components of Intel Cluster Studio XE

- ◆ C++ and Fortran Composer
- ◆ Intel® VTune™ Amplifier XE: find bottlenecks
- ◆ Intel® Inspector XE: eliminate Memory Leaks
- ◆ Intel® Cluster Tools: MPI, Trace Analyzer and Collector
- ◆ All Tools support Intel® Xeon Phi™ Coprocessor
- ◆ OpenCL SDK available for Windows & Linux





**Win a Laptop**  
Friday, 10:20 am,  
Intel® Booth

**Thank you!**

