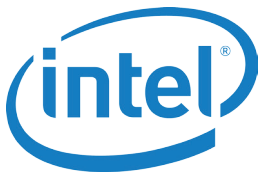


# KNIGHTS LANDING

Latest Generation Intel® Xeon Phi™ Processor



BIOS IT's latest solutions featuring the latest generation Intel® Xeon Phi™ processor (formerly code-named Knights Landing) are designed with parallelism and vectorised workloads in mind. Intel's 2nd generation Intel® Xeon Phi™ product family, delivers massive thread parallelism, data parallelism and memory bandwidth with improved single-thread performance and Intel® Xeon® processor binary-compatibility in a standard CPU form factor. Additionally, the Intel Xeon Phi™ processor optionally includes Intel's Omni-Path fabric technology for a truly high performance, low latency integrated platform.

Coupled with optional Intel Omni-Path fabric connectivity directly from the CPU die, the BIOS KNL solution offers a truly integrated, high performance, low latency compute platform with a convergence of the very latest in processing and networking technologies.

The new Intel® Xeon Phi™ processor provides 64-core per processor with up to 4 threads per core, giving a total of 256 threads per processor which are, of course, binary compatible with software compiled for existing x86 hardware. Available in multiple form factors including a liquid cooled development workstation, made for professionals looking to develop software and code for the Xeon Phi™ platform, featuring a single Intel® Xeon Phi™ x200 processor in a cool and quiet tower chassis. Also available in a 2U 4-node form factor with 1 x Intel® Xeon Phi™ x200 processors per node.

## GET IN TOUCH

### AMERICAS

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123 10th St.  
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### APAC

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Level 12, 1 Pacific Highway,  
North Sydney, NSW 2060

## KNL BENEFITS



HIGH  
PERFORMANCE



MASSIVE  
PARALLELISM



LOW  
LATENCY

## KEY FEATURES

- 4 nodes in 2U factor or 1 node in a tower chassis
- Newest Xeon Phi Release/Architecture
- Massively-parallel platform (> 64 cores per node)
- Integrated on-chip memory

SPECIFICATIONS		
FORM FACTOR	2U Chassis	Tower
CPU	Single KNL Intel® Xeon Phi™	
MEMORY	6x DDR4 DIMMs + 16GB MCDRAM	
DRIVES	3x 3.5" HDD bays	6 x 3.5" HDD bays + 4 x 2.5" HDD bays + 2 x 5.25" bays
EXPANSION SLOTS	2x 16 PCIe 3.0 slots	2 x PCIe x16 3.0 slots + 1 x PCIe x4 3.0 slot
POWER SUPPLY	2x 2000W Titanium PWS	750W Single Power Supply

CUSTOM CONFIGURATIONS ACROSS CORE COUNT, FORM FACTOR AND SUPPORT ARE ALSO AVAILABLE

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