



HIGH PERFORMANCE COMPUTING TESLA SERVER SOLUTIONS

TWO CPU + MULTIPLE TESLA GPU



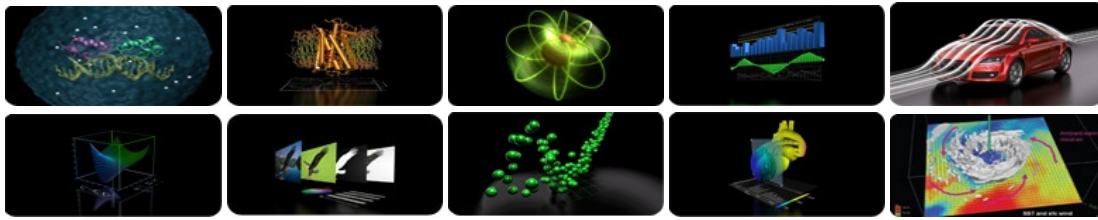
TWO CPU + MULTIPLE TESLA GPU BLADE



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NVIDIA® TESLA® GPU ACCELERATORS FOR SERVERS

NVIDIA® Tesla® P100 GPU accelerators are the most advanced ever built for the data center. They tap into the new NVIDIA Pascal™ GPU architecture to deliver the world's fastest compute node with higher performance than hundreds of slower commodity nodes. Higher performance with fewer, lightning-fast nodes enables data centers to dramatically increase throughput while also saving money.

Accelerate your most demanding data analytics and scientific computing applications with NVIDIA® Tesla® GPU Accelerators. Based on the NVIDIA Kepler™ Architecture, Tesla accelerators are designed to deliver faster, more efficient compute performance.

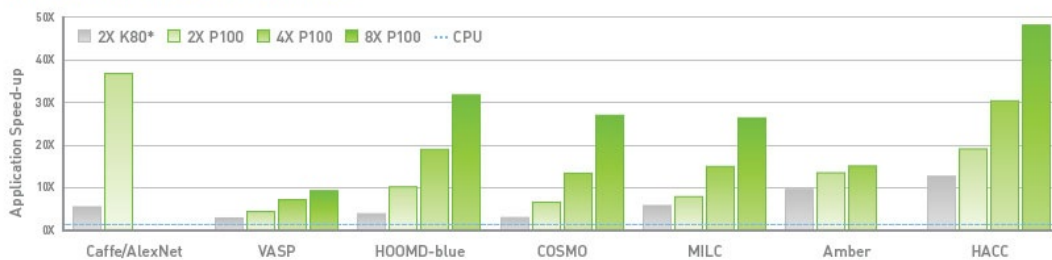
From energy exploration to machine learning, data scientists can crunch through petabytes of data with Tesla accelerators, up to 10x faster than with CPUs. For computational scientists, Tesla accelerators deliver the horsepower needed to run bigger simulations faster than ever.



Available on GSA Contract
#GS-35F-0611R



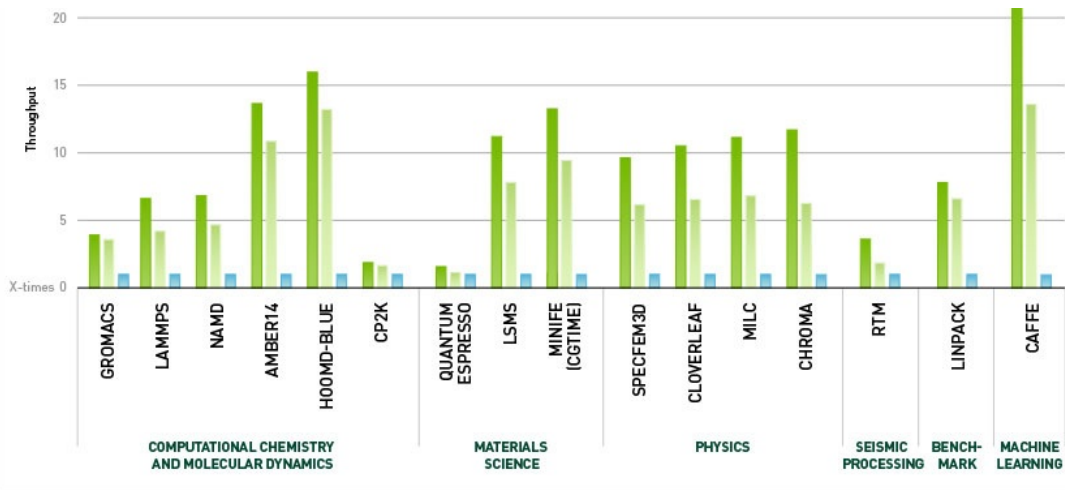
NVIDIA Tesla P100 Performance



Dual CPU server, Intel E5-2698 v3 @ 2.3 GHz, 256 GB System Memory | * M40 for Caffe/AlexNet

NVIDIA® TESLA® K80 ACCELERATOR PERFORMANCE

NVIDIA Tesla K80 NVIDIA Tesla K40 CPU



CPU: 12 cores, E5-2697v2 @ 2.70GHz. 64GB System Memory, CentOS 6.2. GPU: Single Tesla K80, Boost enabled or Single Tesla K40, Boost Enabled.
source: NVIDIA

Key Specifications of NVIDIA Tesla GPUs

	Tesla P100(NVLink)	Tesla P100 (PCIe)	Tesla P100 (PCIe)
Architecture	Pascal	Pascal	Pascal
Cores	3584	3584	3584
Memory (GB)	16	12	16
Memory Bandwidth (GB/s)	732 GB/s	549 GB/s	732 GB/s
Base Clock	1328 MHz	1126 MHz	1126 MHz
Memory Clock	3.0 GHz	1.5 GHz	2.5 GHz
Memory I/O	4096-bit HBM2	3072-bit HBM2	4096-bit HBM2
Board Power	300 W	250 W	250 W
Cooling Solution	Heasink	Passive	Passive
System form factor	Server Rack/Blade	Server Rack/Blade	Server Rack/Blade

	Tesla K40	Tesla M40	Tesla M60	Tesla K80
Architecture	Kepler	Maxwell	Maxwell	Kepler
Cores	2880	3072	4096 (2x2048)	4992 (2x2496)
Memory (GB)	12	12/24	16 (2x8)	24 (2x12)
Memory Bandwidth (GB/s)	288	288	320 (2x160)	480 (2x240)
Base Clock	745 MHz	948 MHz	899 MHz	560 MHz
Memory Clock	3.0 GHz	1.5 GHz	2.5 GHz	2.5 GHz
Memory I/O	384-bit	384-bit	256-bit	384-bit
Board Power	235 W	250 W	300W	300 W
Cooling Solution	Passive / Active	Passive	Passive / Active	Passive
System form factor	Server Workstation	Server Rack/Blade	Server Rack/Blade	Server Rack/Blade

For more information about the supported OS and available configurations please view:

TWO CPU + MULTIPLE TESLA GPU



TWO CPU + MULTIPLE TESLA GPU BLADE



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Systems might be shown with optional equipment, including but not limited to: Upgraded case, Speakers, Ergonomic Keyboard, Upgraded Mouse, HD-Trays, DVD-RW etc. Check your actual order configuration. All sales, invoices & discounts are subject to final approval/verification by @Xi Computer. Estimated shipping date is approximate and is not guaranteed, actual shipping may vary as per our sales [terms and conditions](#). Access to www.xicomputer.com is granted only by acceptance of [Terms of Use Agreement](#).
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