

Nallatech

OpenCL FPGA Integrated Platform

Benchmark your application and deploy quickly and easily using Nallatech's complete integrated platform:

- ✓ IBM x3650-M4 2U rack mount server
- ✓ Nallatech FPGA accelerator card(s)
- ✓ Altera OpenCL Software Development Kit (SDK)
- ✓ FPGA Board Support Package (BSP)
- ✓ Example designs and documentation



Your one stop shop for FPGA tool flow evaluation, application benchmarking and volume deployment



Features & Benefits

- » One-stop shop
Single part number delivering pre-integrated hardware, software and tools bundle
- » Ready to go
Simply power up, log in and start running the example designs
- » Peace of mind
Single warranty covering the server and FPGA accelerator card(s)

Application Optimization

- » Nallatech design services
Expert design service resources are available to help port and benchmark your application on FPGA hardware
- » Value-add partners
Nallatech's ecosystem of value-add partners can provide an optimized solution for a specific application



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Specifications

Nallatech's integrated platform is a rack mount IBM x3650 M4 2U server with the following minimum specification:

- Intel Xeon 6 core E5-2620 95W 2.0GHz/1333/15MB
- Linux CENTOS 6 operating system
- 32GB DDR3 (4 x 8GB DIMM) @ 1333
- 300GB+ HDD
- Altera Quartus-II Development Kit Edition software (one-year evaluation license)
- Altera Software Development Kit (SDK) license for OpenCL
- JTAG Cable Connectivity and USB Blaster II Development and Debug Kit

Each server can be configured with one or multiple FPGA cards:

	385		395	
	P385-A7	P385-D5	P395-AB	P395-D8
FPGA	Altera Stratix V GX A7	Altera Stratix V GS D5	Altera Stratix V GX AB	Altera Stratix V GS D8
Form Factor	Half-height, half-length Single-width active cooling solution Passive cooling solution available		Full-height, 3/4-length Double-width active cooling solution Single-width active and passive cooling solutions available	
Host Interface	8-lane PCI Express Gen 3 capable Up to 10GByte/sec sustained host bandwidth		8-lane PCI Express Gen 3 capable Up to 10GByte/sec sustained host bandwidth	
DDR3 SDRAM Memory	8GB 2 independent banks of 4GB 72-bit data bus		32GB 4 independent banks of 8GB 72-bit data bus	
QDR-II SRAM Memory	-		Please contact Nallatech for details	

Nallatech's OpenCL FPGA integrated platforms can be customized to meet your specific price-performance requirements.

www.nallatech.com/integrated-platforms



Nallatech products are available pre-installed in HP servers through the HP 3PO program.



Nallatech is an IBM Industry Solutions Reseller (ISR) and a member of the IBM iOEM program.

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