

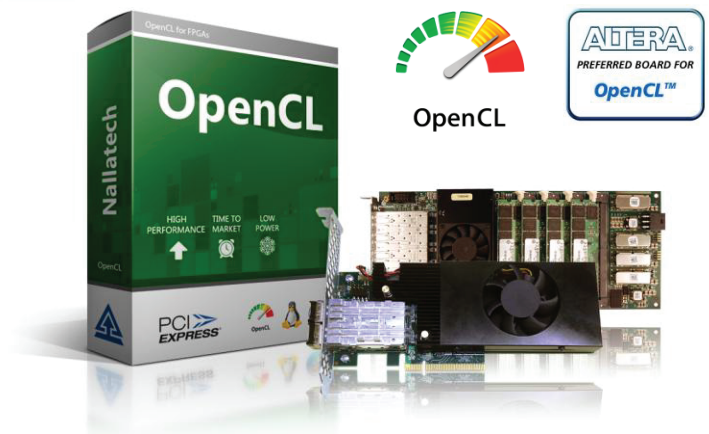
Nallatech

OpenCL FPGA Accelerator Cards

FPGA accelerated computing with no compromises:

- ✓ Programmable
- ✓ Power Efficient
- ✓ Production Qualified

Nallatech's FPGA accelerator cards are compatible with the Altera® Software Development Kit (SDK) for OpenCL™.



**Open Standard Unified Programming Model for
CPU, GPU, Xeon Phi, ARM & FPGA**

Features & Benefits

- » **Server proven hardware**
Nallatech accelerator cards have been through extensive testing in leading server platforms
- » **OpenCL tool flow**
Open, royalty-free unified programming model
- » **Network interfaces**
 - Support for multiple line rates and protocols
 - Clock/data recovery of SFP+ ports (395)

Application Optimization

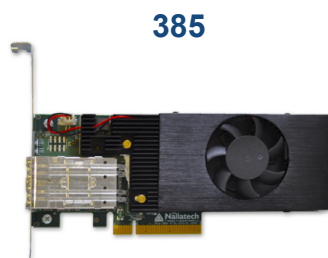
- » **Nallatech design services**
Expert design service resources are available to help port and benchmark your application on FPGA hardware
- » **Value-add partners**
Nallatech's ecosystem of value-add partners can provide an optimized solution for a specific application

**The Leader in FPGA
Accelerated Computing**

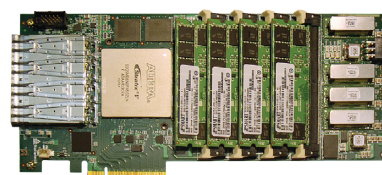
 **Nallatech**
a **molex** company

Specifications

Nallatech's FPGA accelerator cards meet PCI Express mechanical and electrical specifications allowing easy and low risk integration with leading server and blade platforms



385



395

	<div>P385-A7</div> <div>P385-D5</div>		<div>P395-AB</div> <div>P395-D8</div>	
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 385 and 395 cards feature Stratix V devices, and are tested at PCIeGen3 speeds. However, when using the Altera OpenCL SDK and Nallatech BSP, the interface is PCIeGen2. Contact Sky Blue or Zerif if your application requires PCIeGen3 bandwidth.				

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



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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