

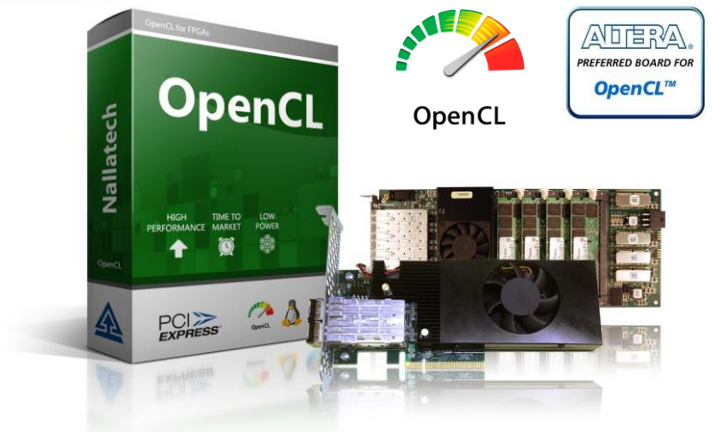
# Nallatech

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 and 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

# Nallatech

OpenCL FPGA Accelerator Cards

## 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**



	<b>P385-A7</b>	<b>P385-D5</b>	<b>P395-AB</b>	<b>P395-D8</b>
<b>FPGA</b>	Altera Stratix V GX A7	Altera Stratix V GS D5	Altera Stratix V GX AB	Altera Stratix V GS D8
<b>Form Factor</b>	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	
<b>Host Interface</b>	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	
<b>DDR3 SDRAM Memory</b>	8GB 2 independent banks of 4GB 72-bit data bus		32GB 4 independent banks of 8GB 72-bit data bus	
<b>QDR-II SRAM Memory</b>	-		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 Nallatech if your application requires PCIeGen3 bandwidth.

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

[www.nallatech.com/integrated-platforms](http://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.

### Sales/Business Development Contacts:

#### » Western USA

Dave Gagnon  
Office: (714) 993 9618  
Cell: (714) 261 3733  
[dave.gagnon@isipkg.com](mailto:dave.gagnon@isipkg.com)

#### » US Government Accounts

Tom Paulick  
Office: (410) 692 2334  
Cell: (443) 717 2522  
[tom.paulick@isipkg.com](mailto:tom.paulick@isipkg.com)

#### » Eastern USA

Ken Roberson  
Office: (410) 692 2334  
Cell: (443) 557 8897  
[ken.roberson@isipkg.com](mailto:ken.roberson@isipkg.com)

#### » Europe, Middle East & Asia

Craig Petrie  
Office: +44 (0)1236 789 530  
Cell: +44 (0)7545 782 882  
[c.petrie@nallatech.com](mailto:c.petrie@nallatech.com)

Technical specifications (e.g. FPGA type, size, external memory capacity etc.) can be modified to meet the exact needs of commercial customer applications as off-the-shelf product available to the general market.

