

# Computational Storage for Fintech

Bring  
**Hardware Acceleration**  
to your firm with ease



**Powerful Hardware**  
Built on BittWare, a Molex company  
and Intel® Agilex™ FPGAs



**IP to Build Fintech Accelerators**  
NoLoad® IP by Eideticom

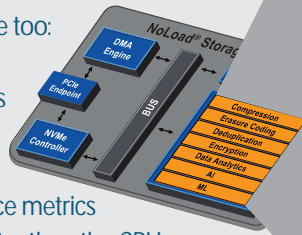
Boost  
Performance  
**5-40X**  
Versus CPUs

# NoLoad® is the framework enabling modules to work together

In software, you define how the acceleration blocks work together to replace CPU-intensive workloads like compression, file format conversion, and packet processing.

Oh and there's capture too: directly to SSD drives. Our fintech customers can perform tasks like data queries and gathering performance metrics hundreds of times faster than the CPU alone—without having to code an FPGA! That's the power of NoLoad for fintech.

NoLoad is available today on BittWare hardware.



### Transparent Compression IP

Compress in hardware without changing your application. Mix compression with QPU blocks as your solution requires it!

50x Increased Throughput Performance at 20% CPU Utilization (while maintaining compression ratio)

### Query Processing Unit (QPU) IP

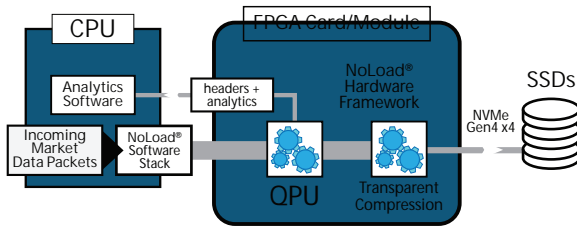
Build custom blocks with any of these components (in software!)

<b>Query</b> Data queries with search and filter parameters.	<b>Analyze</b> Filter, Match & Analytics on streaming data	<b>Reformat</b> Reformat text to binary or other format conversions
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## 01 Packet Capture, Analytics and Compression

USE CASE

Monitor and analyze market data with real-time header analytics and compression at 100 Gb/s.

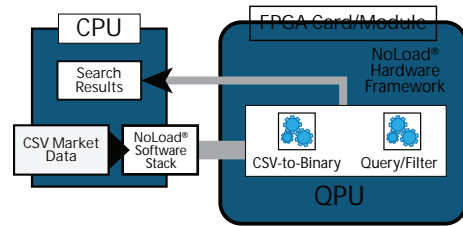


5-15x Increased Throughput Performance at 30% CPU Utilization with up to 4x Increased Storage Capacity

## 02 Format Conversion + Market Data Analytics

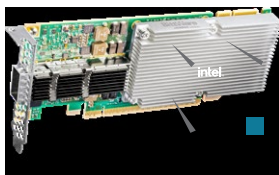
USE CASE

This use case takes a CSV file (in text), converts to binary in hardware and performs query/filtering.



40x more CPU efficient with 12 GB/s Throughput

These use cases were configured in software!



Deploy NoLoad on BittWare cards featuring Intel® Agilix® FPGAs.

What will you build with these versatile tools? Get in touch with BittWare to learn more!

Ready to learn more?

Contact BittWare for details: [BittWare.com](http://BittWare.com)

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