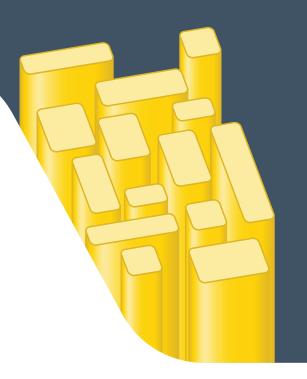
Partner Solution



NoLoad® Transparent Compression

Plug-and-Play Hardware Compression

Transparent Compression is a Computational Storage Service (CSS) for NoLoad CSPs. Running on a range of modules and add-in-cards, Transparent Compression provides data compression services for the host without requiring the target application to be modified.



40x Faster

Write to storage 40× faster while keeping the same compression ratio as software

Low CPU Usage

By accelerating in hardware, CPU usage is cut by 96%

Easy + Simple

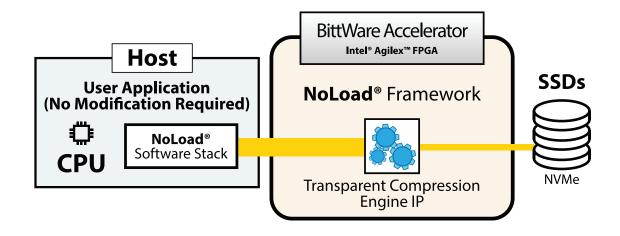
Plug in a card or module and instantly your application is using hardware compressed storage





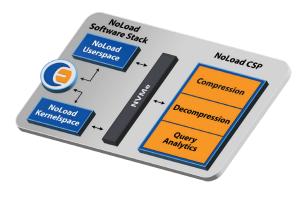
Available as a Plug-and-Play Add-In Card or U.2 Module

Compression That's Simple to Add to Your Application with No Software Changes



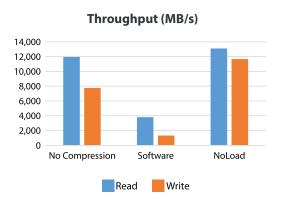
Transparent Compression

Plug-and-Play Hardware Compression



Performance Comparison

NoLoad Transparent Compression is compared to software (CPU-based) compression and no compression.

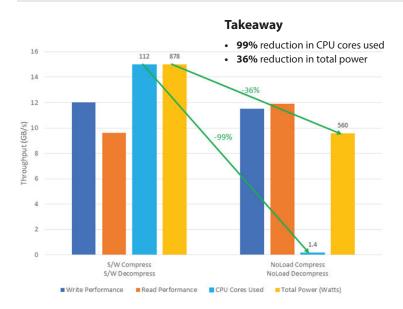


3.5x 3x 2.5x 2x 1.5x 1x 0.5x 0x No Compression Software NoLoad

The dataset used was Big Data (TeraGen), and the server utilized two IA-220-U2 acceleration modules. Compression was GZIP.

What is NoLoad?

NoLoad is a Computational Storage Processor (CSP) with Computational Storage Services (CSS) such as Transparent Compression. NoLoad can be consumed in Userspace with zero operating system changes, or in Kernelspace with zero application changes.



Benchmark results for Eideticom NoLoad solution on 4th Gen Intel Xeon Scalable processors and Intel Agilex 7 FPGA accelerator cards. Data sourced from Eideticom.

Deployment Hardware

- <u>IA-220-U2</u>
- IA-440i

Looking for a different card? Ask us about other compatible card options

Sales Part Numbers

These part numbers order the configuration with NoLoad® pre-installed.

IA-440i-0017	BittWare <u>IA-440i</u> low-profile PCle card
IA-220-U2-0002	BittWare <u>IA-220-U2</u> U.2 module

To learn more, visit www.BittWare.com

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