

Application Brief

Computational Storage produces top results in every category on MySQL

COMPUTATIONAL

STORAGE





ScaleFlux[™] Computational Storage Subsystem (CSS) 1000 Series

Form Factor	- PCIe AIC & U.2 Drive	
Flash Capacity	- 1.6, 1.92, 3.2, 3.84, 6.4, 7.68TB	
Interface	- PCle Gen3 x4	Terabytes of 3D NAND Flash
Compute Engines	- GZIP Compression, Erasure Coding, Flexible KV-Store Interface, Customizable Database Engine Accelerator	
Tunable FTL/FM	- Adjust drive parameters to fine-tune performance	
Atomic Write	 Guarantee a single, complete write operation for up to 1MB I/Os to avoid double-write buffer penalties to performance & endurance 	
Namespace Streams	- Separate resource pools for each Stream of data to eliminate unnecessary Garbage Collection and improve Quality of Service	
nterprise Drive Features	- Power loss protection, Data protection, Power and temperature throttle	
In-Place Updates	- Evolve your infrastructure with new applications through in-system programmability of CSS hardware, just like with software	

SUPERCHARGE YOUR MYSQL INFRASTRUCTURE! REQUEST A POC: info@scaleflux.com