

SMART Global Holdings (SGH) at-a-Glance



Powering growth Expanding possibilities

At SGH, we design and develop enterprise solutions that support and advance our world. Across our computing, memory, and LED lines of businesses we are focused on serving our customers by providing deep technical knowledge and expertise, custom design engineering, build to order flexibility, and a commitment to best-in-class quality.



1988

Year Founded



\$1.8BFY 2022 Revenue

2,154
Patents &

Applications

\$3.62 FY 2022 Non-GAAP EPS

Notes: Employee count reflects full-time employees. FY 2022 financial results do not include Stratus Technologies, which was acquired on August 29, 2022. Per share measures reflect the February 2022 two-for-one share split. See appendix for GAAP to non-GAAP reconciliation.

SGH Companies







Memory Solutions





Intelligent Platform Solutions (IPS)





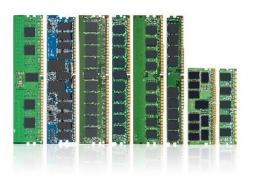
LED Solutions

SMART Modular Product Lines











DRAM Components

Flash Products

DRAM Modules

Legacy Support

Wide range of memory solutions

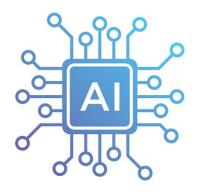
Comprehensive portfolio of standard and ruggedized products

Wide range of leading edge module solutions

Delivering costeffective continuity of supply and logistics solutions

CXL™ Applications and Use Cases





AI & Machine Learning

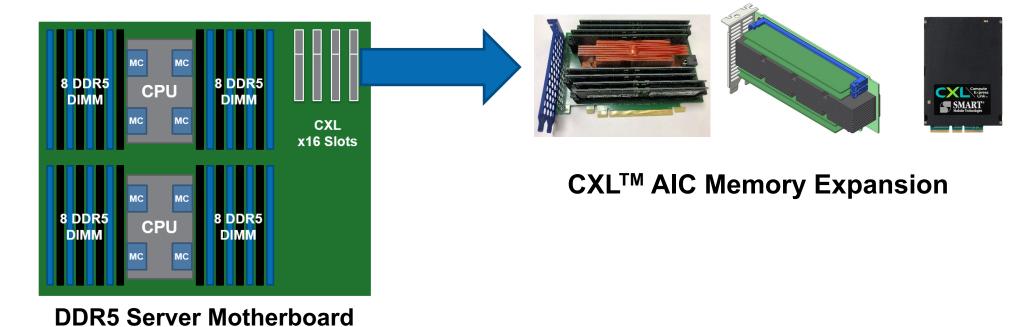
- Natural language processing
- Image recognition
- Autonomous vehicles



Large scale in-memory databases

- Video editing
- Banking/Financial

Real time analytics

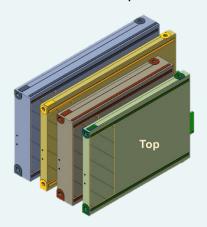


CXL™ Form Factors



EDSFF

Enterprise & Data Center SSD Form Factor



E3.S and E3.L 1T and 2T



SMART E3.S 2T



E1.S





Custom AIC

Cost Reduction Case Study – 1TB Memory System









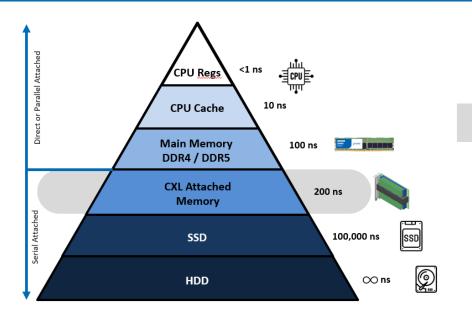
Cost with CXL





Preliminary Performance Results





Latency

Latency	Theoretical	Measured
DDR5-4800	100 ns	100.5 ns
CXL x8	200 ns	209.4 ns*



DDR5 RDIMM אוואוושא פאסט באסט ווואוושא פאסט באסט אסטואווא	
	CXL Memory Module
	DRAM DRAM
CPU CXL	CXL DDR DRAM DRAM DRAM
	DRAM DRAM
	DRAM

Bandwidth 2

Bandwidth	Theoretical	Measured
DDR5-4800	38.4 GB/s	29.9 GB/s
CXL x8	31.5 GB/s	27.3 GB/s*

^{*} Limited by initial CXL Controller DRAM speed

SMART CXL™ Expertise





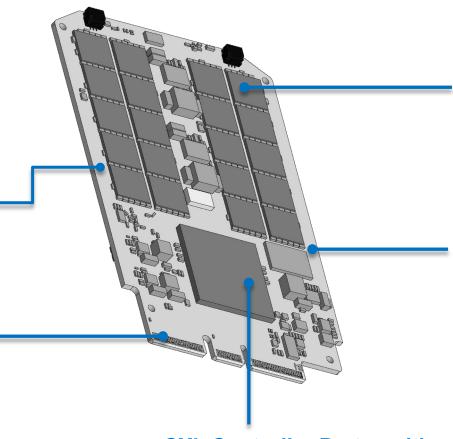


■ Validation & Test Expertise

- Memory and CPU qualification
- Memory Validation
- Test program development

Serial Standards and Solutions Expertise

- PCI Express
- NVMe
- Growing CXL Portfolio
 - E3.S
 - AICs
 - E1.S
 - NV-XMM



CXL Controller Partnerships

Memory Expertise

- Extensive DRAM & NAND Product Lines
- Exceptional Industry Partnerships
 - Memory Suppliers
 - RCD Vendors
 - CPUs Vendors

Complex Memory + ASIC/FPGA Controllers Card Expertise

- Hardware Design
- FW & Software
- · Test and Reliability
- High Volume Manufacturing
- High Quality trusted supplier to Tier 1 OEMs



SMART CXL™ Memory Support!



