Memory for Data Centers

SMART's Memory Solutions Provide Critical Competitive Advantages

Memory expansion for in-memory database applications utilizing CXL® Technology

Increases memory bandwidth and capacity

- Large amounts of memory accessed through the CXL interface eliminate conventional server bottlenecks.
- Eliminates stranded memory by dynamically configuring memory to those workloads that need it.
- New E3.S Memory Module (XMM) and Add in Card (AIC) options utilizing CXL technology

https://www.smartm.com/product/advanced-memory/cxl-high-speed-cpu-interconnect

Zefr ZDIMMs for AI and In Memory Database Applications

Significantly reduce downtime by using highly reliable memory modules

- Comprehensive 5-part test process; temperature, speed, load, system, and time
- Zefr testing emulates the most strenuous use cases
- Proven long-term reliability

https://www.smartm.com/product/list/zefr-zdimm

High Density Memory - RDIMMs

Deliver massive computing power for HPC, AI, grid and cloud workloads

- Ideal for data centers requiring large amounts of server memory
- Up to 256GB DDR4 RDIMMs
- Up to 256GB DDR5 RDIMMs

www.smartm.com/rdimms

Delivering New Tiers of Performance by enabling CXL

New interconnect technology for high-speed, low-latency cache coherent access to data via serial-attached memory modules (XMMs, AICs)

- Enables new solution architectures and form factors for delivering higher levels of performance (high-bandwidth, low latency)
- SMART is providing enablement support for OEMs interested in CXL

https://www.smartm.com/product/advanced-memory/cxl-high-speed-cpu-interconnect

SMTL - SMART Memory Test Lab

Extensive memory qualification services, capabilities and experience

- Minimize qualification costs and resources
- Save engineering time and resources
- Shorten product launch cycles
- Use SMART engineering resources to help solve problems
- Maintain an uninterrupted supply chain of qualified memory

https://www.smartm.com/technology/SMTL

Product Summary Overview

DRAM for Data Center Applications

Technology	Module Type	Speeds	Densities
DDR5	ZDIMM	DDR5-4800/5600	16GB - 128GB
	RDIMM		16GB - 256GB
DDR4	ZDIMM	DDR4-2933/3200	16GB - 64GB
	RDIMM		16GB - 256GB
	LRDIMM		128GB

Individual part nos. can be found on www.smartm.com

SMART®
Modular Technologies
A PENGUIN SOLUTIONS™ BRAND

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