

SMART DRAM Memory for High Performance Computing (HPC) Applications

Reliable, Trusted, Proven

Why SMART for HPC?

SMART offers Zefr Memory for HPC, which is designed to hold up under the stress of intense computational workloads. Reliable, maintenance-free memory is important to maintain operations and save on costs. SMART ships the highest quality, most reliable memory modules to its customers.

What is Zefr Memory?

- Zefr is a screening process performed on OEM original memory modules or SMART Modular built memory modules delivers ultra-high reliability for demanding workloads
- Provides the most highly reliable memory for maintaining uninterrupted service
- Provides the highest densities and speeds for processing large amounts of data

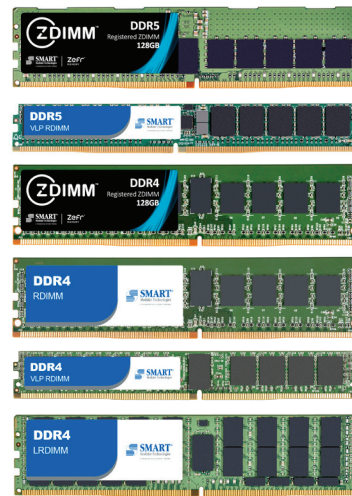
Chipkill

- SMART supports systems equipped with Chipkill, x4 DRAM
- Protects computer memory systems from any single memory chip failure as well as multi-bit errors from any portion of a single memory chip
- Chipkill uses replacement DRAM when failure occurs

Service and Support:

- SMART's engineering team provides pre-sale and post-sale technical assistance for system configuration, technical support and failure analysis
- SMART's professional worldwide sales organization uses a consultative sales approach, provides excellent service and is backed with speedy RMA support for on-time delivery

HPC Memory



Applications

- Drug Development - used to develop cures for diseases like diabetes, cancer and to enable faster, more accurate patient diagnosis
- Oil Exploration - Used to more accurately identify where to drill for new wells and to help boost production from existing wells
- Automotive, Aerospace Design and Modeling - Used to design new products, simulate test scenarios, and make sure production lines aren't held up
- Banking and Financial Services - Used to detect credit card fraud, track real-time stock trends and automate trading

Product Summary Overview

DRAM High Performance Computing (HPC) Applications			
Technology	Module Type	Speeds	Densities
DDR5	ZDIMM	DDR5-4800/5600	32GB - 128GB
	VLP RDIMM		32GB - 48GB
DDR4	ZDIMM	DDR4-3200	16GB - 64GB
	RDIMM		8GB - 32GB
	VLP RDIMM		8GB - 64GB

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



For more information, please visit: www.smartm.com

**Product images are for promotional purposes only. Labels may not be representative of the actual product.*

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