

# 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

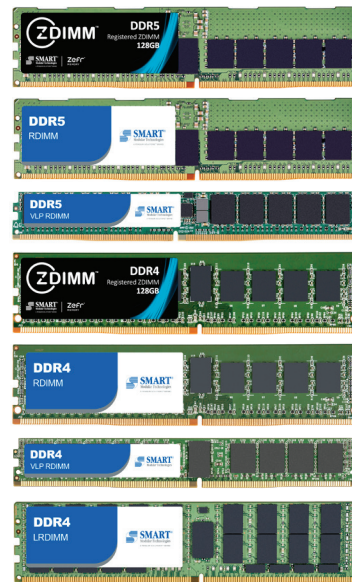
## Chipkill

- 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
	RDIMM		32GB
	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](http://www.smartm.com)



For more information, please visit: [www.smartm.com](http://www.smartm.com)

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

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