

ZDIMM Memory Modules

ZDIMMs (Zefr Memory Module) are rigorously tested to eliminate over 90% of memory reliability failures, ensuring maximum application uptime and optimizing memory subsystem reliability.

ZDIMMs utilize SMART's Zefr™ proprietary screening process (Zero Failure Rate), ensuring the industry's highest levels of uptime and reliability.

ZDIMMs are targeted for data centers, high-performance computing (HPC) platforms, and other computing environments running large memory applications that demand high reliability.

Features

- Comprehensive and rigorous 5-part testing process; temperature, speed, load, system and time
- Zefr testing emulates the most strenuous use cases producing modules with the highest levels of reliability
- Proven long-term reliability with 200 or less DPPM vs. the industry standard of 3,000-5,000 DPPM (Defective Parts Per Million)
- Available in 32GB to 128GB, DDR5-5600 and 16GB to 128GB, DDR4 3200



Applications

Ideal for large memory database applications processing critical data such as:

- In Memory Data Base (IMDB)
- Artificial Intelligence and Machine Learning (LLMs, Image Recognition)
- High Performance Computing (Fintech, Scientific Modeling)
- Surveillance

Benefits

- Eliminates over 90% of memory reliability failure
- Maximize system uptime
- Increased ROI due to dramatically reducing memory failures
- Accelerate Time-to-Insight

DDR5 ZDIMM Ordering Information

288-PIN - DDR5 Registered ZDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Comp Config	Speed	Voltage	Temp*
SRZAG8RD5846-SB	128GB	31.25	16Gb x80	4Gx4	4800MT/s	1.1V	0°C to +70°C
SRZHG8RD5648-SP	96GB	31.25	12Gb x80	6Gx4	5600MT/s	1.1V	0°C to +70°C
SRZ8G8RD5448-SP	64GB	31.25	8Gb x80	4Gx4	5600MT/s	1.1V	0°C to +70°C
SRZ4G8RD5448-SP	32GB	31.25	4Gb x80	2Gx8	5600MT/s	1.1V	0°C to +70°C
SRZ4G8RD5288-SP	32GB	31.25	4Gb x80	4Gx4	5600MT/s	1.1V	0°C to +70°C

* Reflects Operating Ambient Temperature

DDR4 ZDIMM Ordering Information

288-PIN - DDR4 Registered ZDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Comp Config	Speed	Voltage	Temp*
SRZ8197RD440425-SC	64GB	31.25	8Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
SRZ4097RD440425-SC	32GB	31.25	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
SRZ4097RD420825-SC	32GB	31.25	4Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
SRZ2047RD410825-SE	16GB	31.25	2Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C

* Reflects Operating Ambient Temperature



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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