

ZDIMM Memory Modules

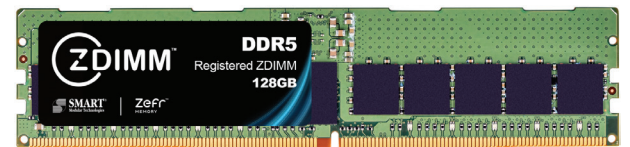
ZDIMMs (Zefr Memory Module) are rigorously tested to eliminate over 90% of memory reliability failures, ensuring maximum application uptime and optimizing memory subsystem reliability.

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 RDIMM ZDIMM Ordering Information

288-PIN - DDR5-5600							
SMART Part Number	Density	Height (mm)	Module Config.	Device Type	Speed	Voltage	Temperature
SRZAG8RD5846-SB	128GB	31.25	16Gb x80	2Rx4	5600MT/s	1.1V	0°C to +70°C
SRZHG8RD5648-SP	96GB	31.25	12Gb x80	2Rx4	5600MT/s	1.1V	0°C to +70°C
SRZ8G8RD5448-SP	64GB	31.25	8Gb x80	2Rx4	5600MT/s	1.1V	0°C to +70°C
SRZ4G8RD5288-SP	32GB	31.25	4Gb x80	2Rx8	5600MT/s	1.1V	0°C to +70°C
SRZ4G8RD5448-SP	32GB	31.25	4Gb x80	1Rx4	5600MT/s	1.1V	0°C to +70°C

DDR4 RDIMM ZDIMM Ordering Information

288-PIN - DDR4-3200							
SMART Part Number	Density	Height (mm)	Module Config.	Device Type	Speed	Voltage	Temperature
SRZ1637RD440465-SM	128GB	31.25	16Gb x80	2Rx4	3200MT/s	1.1V	0°C to +70°C
SRZ8197RD440425-SC	64GB	31.25	8Gb x80	2Rx4	3200MT/s	1.1V	0°C to +70°C
SRZ4097RD420825-SC	32GB	31.25	4Gb x80	2Rx8	3200MT/s	1.1V	0°C to +70°C
SRZ4097RD440425-SC	32GB	31.25	4Gb x80	1Rx4	3200MT/s	1.1V	0°C to +70°C
SRZ2047RD410825-SE	16GB	31.25	2Gb x80	2Rx8	3200MT/s	1.1V	0°C to +70°C



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

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