SMART® Modular Technologies | **ZDIMM™**
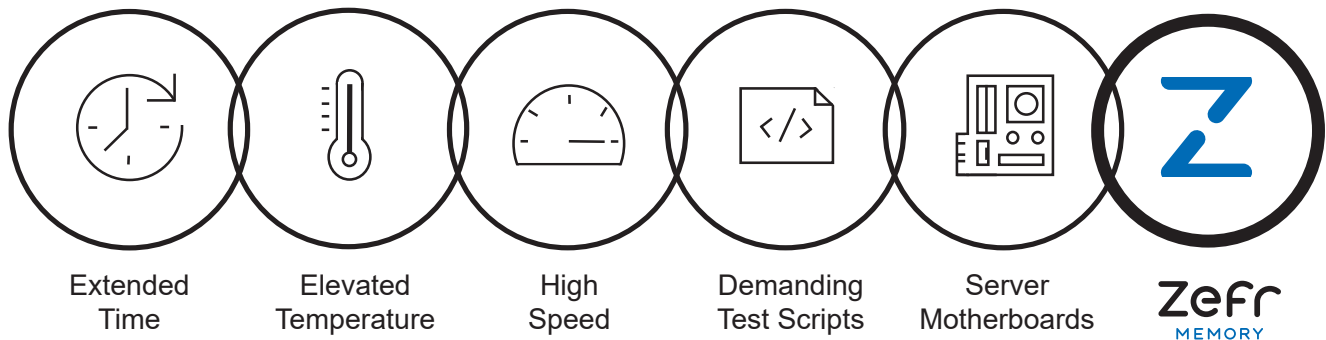
Ultra-High Reliability Zefr™ Memory

Eliminating Over 90% of Memory Failures: Making the Best, Better

The Zefr Memory Process transforms Tier-1 RDIMMs that already met the industry's typical defect rate of 3,000 parts per million into the most reliable memory for the most demanding applications. Zefr Memory is processed to real-world conditions to eliminate over 90% of remaining memory reliability failures, lowering DPPM to under 200.

Extended Time · Elevated Temperature · High Speed · Demanding Test Scripts · Server Motherboards · Zefr MEMORY

Minimize Downtime, Maximize ROI

Downtime can cost thousands of dollars and SLA misses. Deploying Registered ZDIMMs (Zefr Dual Inline Memory Modules) accelerates Platform Bring Up, Maximizes HPV Yield Rate, Accelerates Time-to-Insight, and Lowers Maintenance Costs.

SMART Delivers

SMART has been at the forefront of memory since 1989. Over 30 years of device and system expertise enable us to imagine and deliver breakthroughs like ZDIMMs that a changing application demands.

ZDIMMs are Zefr-processed Registered DDR4 and DDR5 SDRAM DIMMs with <200 DPPM.

DDR4 Registered ZDIMM

DDR5 Registered ZDIMM

The Industry's Ultra-High Reliability Memory

DDR5 ZDIMM Ordering Information

288-PIN - DDR5 Registered ZDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Type	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	Device Type	Speed	Voltage	Temp*
SRZ1637RD440465-SM	128GB	31.25	16Gb x72	2Rx4	3200MT/s	1.2V	0°C to +70°C
SRZ8197RD440425-SC	64GB	31.25	8Gb x72	2Rx4	3200MT/s	1.2V	0°C to +70°C
SRZ4097RD440425-SC	32GB	31.25	4Gb x72	2Rx8	3200MT/s	1.2V	0°C to +70°C
SRZ4097RD420825-SC	32GB	31.25	4Gb x72	1Rx4	3200MT/s	1.2V	0°C to +70°C
SRZ2047RD410825-SE	16GB	31.25	2Gb x72	2Rx8	3200MT/s	1.2V	0°C to +70°C

* Reflects Operating Ambient Temperature