



DuraMemory



SMART Zefr Memory for Enterprise Applications

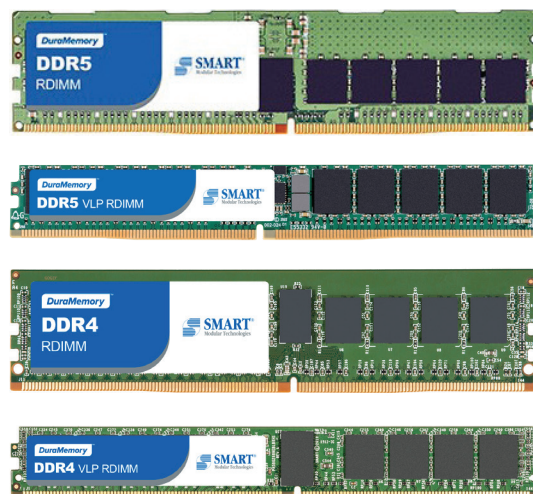
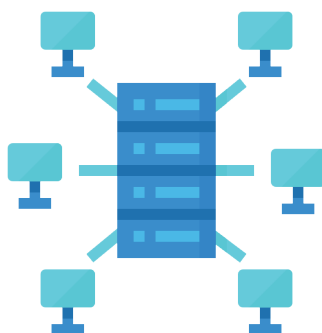
Reliable, Trusted, Proven

Why SMART?

- High reliability for maintaining uninterrupted service
- Full range of memory module densities and speeds for capturing, processing and storing small and large amounts of data
- SMART Zefr process eliminates weak components, lowering DPPM rates (Defective Parts Per Million)
- VLP (Very Low Profile) module for blade computing

Why is it Needed?

- Memory failures occur due to the introduction of smaller process technologies, faster speeds, higher DRAM densities, Through Silicon Via (TSV) multi-die stacking and other factors such as test escapes.
- Memory failures in the field cause significant disruption resulting in lost revenue.
- Zefr Memory is needed for mission-critical applications where memory failures are not an option.
- Zefr Memory helps lower OEM costs for servicing and minimizing warranty overhead.
- Zefr Memory helps to maintain customers' reputation for providing highly reliable computing equipment.



Products shown represent a sampling of SMART DIMMs for these applications

Applications

- Enterprise Data Centers and Storage Systems
- High Performance Computing (HPC)
- Mission Critical and Fault Tolerant Systems
- Five9 Systems

SMART's Zefr Memory undergoes a proprietary screening process to deliver ultra-high reliability for demanding workloads.

DDR5 Ordering Information

288-PIN - DDR5 RDIMM							
SMART Part Number	Density	Height (mm)	Module Config.	Device Type	Speed	Voltage	Temperature
SRHG8RD5648-MD	96GB	31.25	12Gb x80	6Gx4	5600MT/s	1.1V	0°C to +70°C
SRHG8RD5648-SP	96GB	31.25	12Gb x80	6Gx4	5600MT/s	1.1V	0°C to +70°C
SRHG8RD5645-MD	96GB	31.25	12Gb x80	6Gx4	4800MT/s	1.1V	0°C to +70°C
SR8G8RD5448-SP	64GB	31.25	8Gb x80	4Gx4	5600MT/s	1.1V	0°C to +70°C
SRB8G8RD5445-SB	64GB	31.25	8Gb x80	4Gx4	4800MT/s	1.1V	0°C to +70°C
STZ8G8RD5445-HA	64GB	31.25	8Gb x80	4Gx4	4800MT/s	1.1V	0°C to +70°C
STZ8G8RD5445-MA	64GB	31.25	8Gb x80	4Gx4	4800MT/s	1.1V	0°C to +70°C
SR6G8RD5385-SB	48GB	31.25	6Gb x80	3Gx8	4800MT/s	1.1V	0°C to +70°C
SR4G8RD5448-SP	32GB	31.25	4Gb x80	4Gx4	5600MT/s	1.1V	0°C to +70°C
SRB4G8RD5445-SB	32GB	31.25	4Gb x80	4Gx4	4800MT/s	1.1V	0°C to +70°C
SRZ4G8RD5445-SB	32GB	31.25	4Gb x80	4Gx4	4800MT/s	1.1V	0°C to +70°C
SR3G8RD5388-SP	24GB	31.25	3Gb x80	3Gx8	5600MT/s	1.1V	0°C to +70°C
SR3G8RD5385-SB	24GB	31.25	3Gb x80	3Gx8	4800MT/s	1.1V	0°C to +70°C
SR2G8RD5288-SP	16GB	31.25	2Gb x80	2Gx8	5600MT/s	1.1V	0°C to +70°C
SRZ2G8RD5285-SB	16GB	31.25	2Gb x80	2Gx8	4800MT/s	1.1V	0°C to +70°C
260-PIN - DDR5 Non-ECC SODIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SR6G6SO5385MB	48GB	30.00	6Gb x64	3Gx8	4800MT/s	1.1V	0°C to +70°C
SR4G6SO5288-SP	32GB	30.00	4Gb x64	2Gx8	5600MT/s	1.1V	0°C to +70°C
SR2G6SO5288-SP	16GB	30.00	2Gb x64	2Gx8	5600MT/s	1.1V	0°C to +70°C
SR1G6SO5168-SP	8GB	30.00	1Gb x64	1Gx16	5600MT/s	1.1V	0°C to +70°C
260-PIN - DDR5 ECC SODIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SR6G7SO5385SB	48GB	30.00	6Gb x72	3Gx8	4800MT/s	1.1V	0°C to +70°C
SRI4G7SO5288-SP	32GB	30.00	4Gb x72	2Gx8	5600MT/s	1.1V	-40°C to +85°C
SR4G7SO5288-SP	32GB	30.00	4Gb x72	2Gx8	5600MT/s	1.1V	0°C to +70°C
SRI2G7SO5288-SP	16GB	30.00	2Gb x72	2Gx8	5600MT/s	1.1V	-40°C to +85°C
SR2G7SO5288-SP	16GB	30.00	2Gb x72	2Gx8	5600MT/s	1.1V	0°C to +70°C
288-PIN - DDR5 ECC UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SRI6G7UD5385SP	48GB	31.25	6Gb x72	3Gx8	4800MT/s	1.1V	-40°C to +85°C
SR6G7UD5385SP	48GB	31.25	6Gb x72	3Gx8	4800MT/s	1.1V	0°C to +70°C
SR2G7UD5288-SD	16GB	31.25	2Gb x72	2Gx8	5600MT/s	1.1V	0°C to +70°C
288-PIN - DDR5 ECC VLP UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SR4G7UD5288SBV	32GB	18.75	4Gb x72	2Gx8	5600MT/s	1.1V	0°C to +70°C

DDR4 Ordering Information

288-PIN - DDR4 RDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST8197RD440425-HC	64GB	30.75	8Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
SRZ728G4PNG32P2-SC	64GB	31.25	8Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
SRZ4097RD420825-SC	32GB	31.25	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
SRI4097RD420825-SC	32GB	31.25	4Gb x72	2Gx8	3200MT/s	1.2V	-40°C to +85°C
SR4097RD420825-SC	32GB	31.25	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
SRZ4097RD440425-SC	32GB	31.25	4Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
SR4097RD440425-SC	32GB	31.25	4Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
STB4097RD420425-MR	32GB	31.25	4Gb x72	2Gx4	3200MT/s	1.2V	0°C to +70°C
STB4097RD420425-SE	32GB	31.25	4Gb x72	2Gx4	3200MT/s	1.2V	0°C to +70°C
STB2047RD420425-SE	16GB	31.25	2Gb x72	2Gx4	3200MT/s	1.2V	-25°C to +85°C
SRZ2047RD410825-SE	16GB	31.25	2Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C

DDR4 Ordering Information

288-PIN - DDR4 VLP RDIMM							
SMART Part Number	Density	Height (mm)	Module Config.	Device Type	Speed	Voltage	Temperature
ST1027RD410825SGV	8GB	18.75	1Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
260-PIN - DDR4 Non-ECC SODIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST1026SO410825-SE	8GB	30.00	1Gb x64	1Gx8	3200MT/s	1.2V	0°C to +70°C
STI1026SO410825SG	8GB	30.00	1Gb x64	1Gx8	3200MT/s	1.2V	-40°C to +85°C
ST1026SO410825SG	8GB	30.00	1Gb x64	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1026SO410893-SE	8GB	30.00	1Gb x64	1Gx8	2666MT/s	1.2V	0°C to +70°C
STB5126SO451893SF	4GB	30.00	512Mb x64	512Mx8	2666MT/s	1.2V	-25°C to +85°C
260-PIN - DDR4 ECC SODIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SRZ4097SO420825-SC	32GB	30.00	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
STI1027SO410825SG	8GB	30.00	1Gb x72	1Gx8	3200MT/s	1.2V	-40°C to +85°C
288-PIN - DDR4 ECC UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SR2047UD420825-SC	16GB	31.25	2Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
288-PIN - DDR4 ECC VLP Mini-UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST1027MR410825SGV	8GB	18.75	1Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C



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