

SMART DRAM Memory for Storage Applications

Reliable, Trusted, Proven

Factors Affecting Memory Requirements for Storage Applications

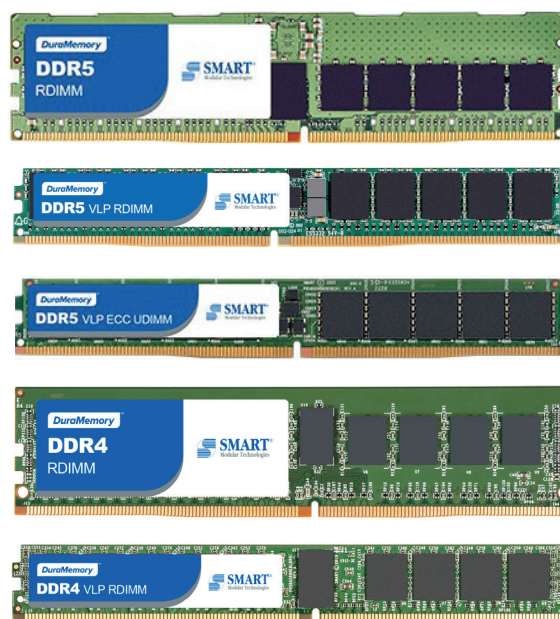
- High density for storage applications with large memory databases
- Fast data access for application responsiveness
- Very low profile modules for storage blade applications
- Cost-effectiveness

Why SMART Memory for Storage Applications?

- High density DDR4 or DDR5 RDIMM support up to 256GB per RDIMM
- High speed DDR4-3200 or DDR5-5600 speed grade RDIMMs
- VLP RDIMM and VLP ECC UDIMM ordering options
- Cost effective using industry mainstream memory combined with SMART's purchasing power

Applications

- Cloud-native applications
- Big data analytics
- Content-driven web applications
- File sharing and collaboration platforms
- Cloud storage services
- Cloud backup and recovery solutions



DDR5 Ordering Information

288-PIN - DDR5 Zefr ZDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp*
SRZAG8RD5846-SB	128GB	31.25	16Gb x80	8Gx4	4800MT/s	1.1V	0°C to +70°C
SRZ4G8RD5448-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
288-PIN - DDR5 RDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp*
SRBG8RD5444H-SB	256GB	31.25	32Gb x80	2Gx8	5600MT/s	1.1V	0°C to +70°C
SRAG8RD5848-MB	128GB	31.25	16Gb x80	8Gx4	5600MT/s	1.1V	0°C to +70°C
STAG8RD544H-HA	128GB	31.25	16Gb x80	8Gx4	5600MT/s	1.1V	0°C to +70°C
SRAG8RD5846-SB	128GB	31.25	16Gb x80	4Gx4	4800MT/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
SRHG8RD5648-MD	96GB	31.25	12Gb x80	6Gx4	5600MT/s	1.1V	0°C to +70°C
STHG8RD5648-HM	96GB	31.25	12Gb x80	6Gx4	5600MT/s	1.1V	0°C to +70°C
SRHG8RD5645-SB	96GB	31.25	12Gb x80	6Gx4	4800MT/s	1.1V	0°C to +70°C
STHG8RD5645-HM	96GB	31.25	12Gb x80	6Gx4	4800MT/s	1.1V	0°C to +70°C
SRHG8RD5645-MD	96GB	31.25	12Gb x80	2Gx8	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
SR8G8RD5448-MD	64GB	31.25	8Gb x80	4Gx4	5600MT/s	1.1V	0°C to +70°C
ST8G8RD5448-HA	64GB	31.25	8Gb x80	4Gx4	5600MT/s	1.1V	0°C to +70°C
SRI8G8RD5445-SB	64GB	31.25	8Gb x80	4Gx4	4800MT/s	1.1V	-40°C to +85°C
SR8G8RD5445-SB	64GB	31.25	8Gb x80	4Gx4	4800MT/s	1.1V	0°C to +70°C
ST8G8RD5445-HA	64GB	31.25	8Gb x80	4Gx4	4800MT/s	1.1V	0°C to +70°C
ST6G8RD5645-HM	48GB	31.25	6Gb x80	6Gx4	4800MT/s	1.1V	0°C to +70°C
SR4G8RD5448-SP	32GB	31.25	4Gb x80	2Gx8	5600MT/s	1.1V	0°C to +70°C
ST4G8RD5288-HA	32GB	31.25	4Gb x80	2Gx8	5600MT/s	1.1V	0°C to +70°C
SR4G8RD5448-MD	32GB	31.25	4Gb x80	4Gx4	5600MT/s	1.1V	0°C to +70°C
SRI4G8RD5285-SB	32GB	31.25	4Gb x80	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SR4G8RD5285SB	32GB	31.25	4Gb x80	2Gx8	4800MT/s	1.1V	0°C to +70°C
SR4G8RD5445-SB	32GB	31.25	4Gb x80	4Gx4	4800MT/s	1.1V	0°C to +70°C
SR4G8RD5285-SB	32GB	31.25	4Gb x80	2Gx8	4800MT/s	1.1V	0°C to +70°C
SRI4G8RD5445-SB	32GB	31.25	4Gb x80	4Gx4	4800MT/s	1.1V	-40°C to +85°C
ST3G8RD5385-HM	24GB	31.25	3Gb x80	3Gx8	4800MT/s	1.1V	0°C to +70°C
SR2G8RD5288-MD	16GB	31.25	2Gb x80	2Gx8	5600MT/s	1.1V	0°C to +70°C
ST2G8RD5288-HA	16GB	31.25	2Gb x80	2Gx8	5600MT/s	1.1V	0°C to +70°C
SR2G8RD5285-SB	16GB	31.25	2Gb x80	2Gx8	4800MT/s	1.1V	0°C to +70°C
SRI2G8RD5285-SB	16GB	31.25	2Gb x80	2Gx8	4800MT/s	1.1V	-40°C to +85°C
288-PIN - DDR5 VLP RDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp*
SR4G8RD5288MDV	32GB	18.75	4Gb x80	2Gx8	5600MT/s	1.1V	0°C to +70°C
SR4G8RD5285SBV	32GB	18.75	4Gb x80	2Gx8	4800MT/s	1.1V	0°C to +70°C
SR4G8RD5285HAV	32GB	18.75	4Gb x80	2Gx8	4800MT/s	1.1V	0°C to +70°C

* Reflects Operating Ambient Temperature

DDR4 Ordering Information

288-PIN - DDR4 Zefr ZDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp*
SRZ1637RD440465-SM	128GB	31.25	16Gb x72	8Gx4	3200MT/s	1.2V	0°C to +70°C
SRZ8197RD440425-SC	64GB	31.25	8Gb x72	4Gx4	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	0°C to +70°C

288-PIN - DDR4 RDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp*
ST3277RD440465-SM	256GB	31.25	32Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
SR3277RD440444-SM1	256GB	31.25	32Gb x72	4Gx4	2933MT/s	1.2V	0°C to +70°C
ST1637RD440465-SM	128GB	31.25	16Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
ST8197RD440425-SC	64GB	31.25	8Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
ST8197RD440425-MF	64GB	31.25	8Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
ST8197RD440425-HD	64GB	30.75	8Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
SRI8197RD440425-SC	64GB	31.25	8Gb x72	4Gx4	3200MT/s	1.2V	-40°C to +85°C
ST8197RD440425HC	64GB	31.25	8Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
STT4097RD420825MF	32GB	31.25	4Gb x72	2Gx8	3200MT/s	1.2V	-40°C to +85°C
STI4097RD420825MF	32GB	31.25	4Gb x72	2Gx8	3200MT/s	1.2V	-40°C to +85°C
ST4097RD420825SC	32GB	31.25	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST4097RD440425-MF	32GB	31.25	4Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
SRI4097RD420425-SE	32GB	31.25	4Gb x72	2Gx4	3200MT/s	1.2V	-40°C to +85°C
ST4097RD420425-SE	32GB	31.25	4Gb x72	2Gx4	3200MT/s	1.2V	0°C to +70°C
ST4097RD420425-MR	32GB	31.25	4Gb x72	2Gx4	3200MT/s	1.2V	0°C to +70°C
ST4097RD420425-HE	32GB	31.25	4Gb x72	2Gx4	3200MT/s	1.2V	0°C to +70°C
ST2047RD420825MF	16GB	31.25	2Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST2047RD420425-HE	16GB	31.25	2Gb x72	2Gx4	3200MT/s	1.2V	0°C to +70°C
ST2047RD420425-MR	16GB	31.25	2Gb x72	2Gx4	3200MT/s	1.2V	0°C to +70°C
ST2047RD420425-SE	16GB	31.25	2Gb x72	2Gx4	3200MT/s	1.2V	0°C to +70°C
SRI2047RD420425-SE	16GB	31.25	2Gb x72	2Gx4	3200MT/s	1.2V	-40°C to +85°C
SR2047RD410825-SE	16GB	31.25	2Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST2047RD410825-HE	16GB	31.25	2Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
SRI2047RD410825-SE	16GB	31.25	2Gb x72	1Gx8	3200MT/s	1.2V	-40°C to +85°C

288-PIN - DDR4 VLP RDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp*
ST4097RD440425HDV	32GB	18.75	4Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
ST4097RD440425SCV	32GB	18.75	4Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
ST4097RD420825SCV	32GB	18.75	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST4097RD420825MFV	32GB	18.75	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C

288-PIN - DDR4 LRDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp*
ST3277LR440444-SM	256GB	31.25	32Gb x72	4Gx4	2933MT/s	1.2V	0°C to +70°C
SR1637LR440425-SD	128GB	31.25	16Gb x72	8Gx4	3200MT/s	1.2V	0°C to +70°C
SR1637LR440425-SB	128GB	31.25	16Gb x72	8Gx4	3200MT/s	1.2V	0°C to +70°C
ST1637LR440414-SM1	128GB	31.25	16Gb x72	4Gx4	2933MT/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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