

DDR5 Tall EC8 MRDIMM (Multiplexed Rank)

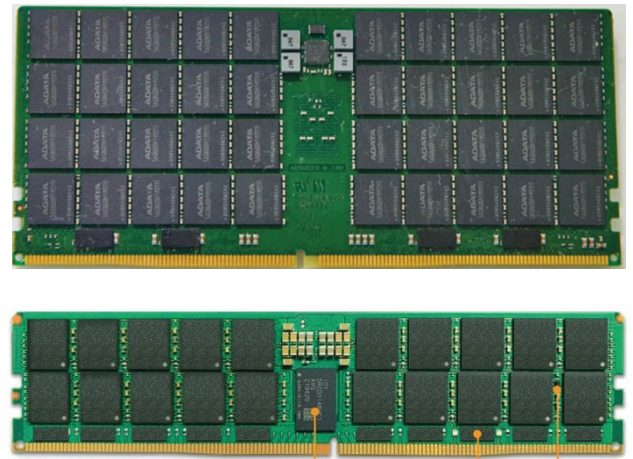
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Product

- JEDEC Standard Tall MRDIMM
- Speed; DDR5-5600 (will migrate to 6400)
- With 8-bit ECC
- Densities;
 - 256GB with 32GB 8Gx4
 - 128GB with 32Gb 4Gx4
 - 64GB with 8GB 4Gx4
 - 32GB with 4GB 2Gx8
- DRAM placements; 80
- Height; 55.00mm
- Other critical components; 2 PMICs (Power Management IC), 10 MDBs (Memory Data Buffers (not shown), 1 RCD (Register Clock Driver)

Benefits

- Double bandwidth - combines two DDR5 RDIMMs at 4,400 MT/s, the output results in 8,800 MT/s
- Simultaneous access to both ranks
- Multiplexing multiple ranks on a DIMM through a new RCD and DB can provide scalable high BW solution which is aligned to DDR5 DRAM frequency and capacity cadence
- Cost-effective SDP DRAMs (Single Die Package)



Applications

- High density and bandwidth applications; AI & ML, IMDB
- High performance computing applications; sci-entific modeling, fintech, mathematics
- For 2U, 3U and 4U server and storage chassis

DDR5 MRDIMM Ordering Information

288-PIN - DDR5 MRDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Comp Config	Speed	Voltage	Temp*
SRBG8RM5844-SM	256GB	56.90	32Gb x80	8Gx4	8800MT/s	1.1V	0°C to +70°C
SRAG8RM5844-SM	128GB	56.90	16Gb x80	8Gx4	8800MT/s	1.1V	0°C to +70°C
STAG8RM5444-HB	128GB	56.90	16Gb x80	4Gx4	8800MT/s	1.1V	0°C to +70°C
ST8G8RM5444-HB	64GB	31.25	8Gb x80	4Gx4	8800MT/s	1.1V	0°C to +70°C
SRZ4G8RM5284-SE	32GB	56.90	4Gb x80	2Gx8	8800MT/s	1.1V	0°C to +70°C
SR4G8RM5284-SE	32GB	56.90	4Gb x80	2Gx8	8800MT/s	1.1V	0°C to +70°C
ST4G8RM5284-HB	32GB	31.25	4Gb x80	2Gx8	8800MT/s	1.1V	0°C to +70°C

* Reflects Operating Ambient Temperature



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

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