

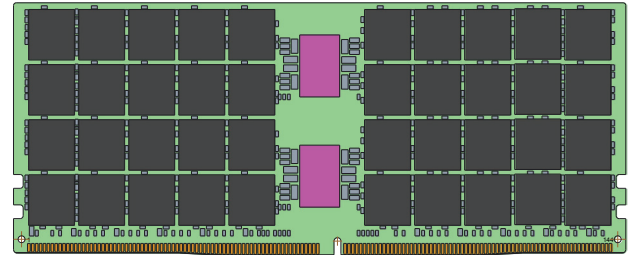


## DDR5 Tall EC8 MRDIMM (Multiplexed Rank)

Reliable, Trusted, Proven

### Product

- JEDEC Standard Tall MRDIMM
- Speed; DDR5-5600 (will migrate to 6400)
- With 8-bit ECC
- Densities;
  - 128GB with 16Gb 4Gx4
  - 196GB with 24Gb 6Gx4
  - 256GB with 32Gb 8Gx4
- 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 Hynix MCRDIMM

SMART Part Number	Density	Height (mm)	Description
SRAG8RM5444-HB	128GB	56.90	DDR5-4400 16Gx80 with 80 16Gb 4Gx4
SRHG8RM5644-HM	96GB	31.25	DDR5-4400 12Gx80 with 40 24Gb 6Gx4
SR8G8RM5444-HB	64GB	31.25	DDR5-4400 8Gx80 with 40 16Gb 4Gx4
SR4G8RM5284-HB	32GB	31.25	DDR5-4400 4Gx80 with 20 16Gb 2Gx8

### 288-PIN - DDR5 Samsung MRDIMM

SMART Part Number	Density	Height (mm)	Description
SRBG8RM5844-SM	256GB	56.90	DDR5-4400 32Gx80 with 80 32Gb 8Gx4 4Rx4
SRAG8RM5844-SM	128GB	31.25	DDR5-4400 16Gx80 with 40 32Gb 8Gx4 2Rx4
SR8G8RM5484-SM	64GB	31.25	DDR5-4400 8Gx80 with 20 32Gb 4Gx8 2Rx8
SR8G8RM5444-SE	64GB	31.25	DDR5-4400 8Gx80 with 40 16Gb 4Gx4 2Rx4
SR4G8RM5284-SE	32GB	31.25	DDR5-4400 4Gx80 with 20 16Gb 2Gx8 2Rx8



For more information, please visit: [www.smartm.com](http://www.smartm.com)

*\*Product images are for promotional purposes only. Labels may not be representative of the actual product.*

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