

Module

Memory modules for extensive use



Overview

Features

Product selector

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Proven DRAM module solution in the global market

Samsung's memory modules are designed for a wide range of applications to deliver the best performance with low power requirements.

RDIMM

Registered DIMM

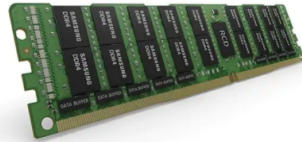
- Include a register for enhancing clock, command and control signals
- Error correction available by added 8 bit parity signals
- Supports x4 / x8 Organization / up to 2 ranks per DIMM and 3DPC configuration
- Application : Server



LRDIMM

Load Reduced DIMM

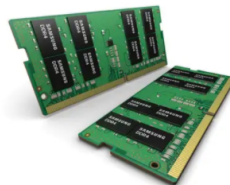
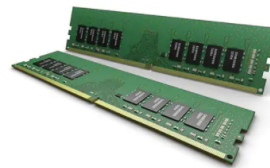
- Include a register for enhancing clock, command and control signals
- Enhanced data signal by placing data buffer
- Best solution for achieving high density with high speed
- Supports x4 Organization / up to 4 ranks per DIMM and 3DPC
- Application : Server



UDIMM

Unbuffered DIMM

- No buffer or register : smaller latency value
- Supports x8 / x16 Organization / up to 2 ranks per DIMM and 2DPC configuration
- Application : Desktop



SODIMM

Small Outline DIMM

- Smaller than normal DIMMs
- Supports x8 / x16 / up to 2 ranks per DIMM and 2DPC configuration
- For systems with limited space issues
- Application : Laptop



ECC UDIMM / ECC SODIMM

Error Correction Code UDIMM / SODIMM

- Single error correction and detection available
- Supports x8 up to 2 ranks per DIMM
- Application : High-end desktop, High-end laptop, Server

Product selector


DDR	Dimm Type	Density	Rank x Org.	Speed	Voltage	Component Composition
<input type="checkbox"/> DDR4	<input type="checkbox"/> VLP RDIMM	<input type="checkbox"/> 256 GB	<input type="checkbox"/> 8R x 4	<input type="checkbox"/> 3200 Mbps	<input type="checkbox"/> 1.2 V	<input type="checkbox"/> (DDPBG x 4) x 36
<input type="checkbox"/> DDR3	<input type="checkbox"/> UDIMM	<input type="checkbox"/> 128 GB	<input type="checkbox"/> 4R x 4	<input type="checkbox"/> 2933 Mbps	<input type="checkbox"/> 1.5 V / 1.35 V	<input type="checkbox"/> (DDP4G x 4) x 36
	<input type="checkbox"/> SODIMM	<input type="checkbox"/> 64 GB	<input type="checkbox"/> 2R x 8	<input type="checkbox"/> 2666 Mbps		<input type="checkbox"/> (DDP4G x 4) x 18
	<input type="checkbox"/> RDIMM	<input type="checkbox"/> 32 GB	<input type="checkbox"/> 2R x 4	<input type="checkbox"/> 2400 Mbps		<input type="checkbox"/> (512M x 8) x 9
	<input type="checkbox"/> LRDIMM	<input type="checkbox"/> 16 GB	<input type="checkbox"/> 1R x 8	<input type="checkbox"/> 2133 Mbps		<input type="checkbox"/> (512M x 8) x 18
	<input type="checkbox"/> ECC UDIMM	<input type="checkbox"/> 8 GB	<input type="checkbox"/> 1R x 4	<input type="checkbox"/> 1866 Mbps		<input type="checkbox"/> (512M x 16) x 4
	<input type="checkbox"/> ECC SODIMM	<input type="checkbox"/> 4 GB	<input type="checkbox"/> 1R x 16	<input type="checkbox"/> 1600 Mbps		<input type="checkbox"/> (4H 3DS 8G x 4) x 36
						<input type="checkbox"/> (4H 3DS 16G x 4) x 36
						<input type="checkbox"/> (4G x 4) x 36
						<input type="checkbox"/> (4G x 4) x 18

<input type="checkbox"/>	Part Number ▼	DDR ▼	Dimm Type ▼	Density ▼	Rank x Org. ▼	Speed ▼	Voltage ▼	Component Composition ▼
<input type="checkbox"/>	M393A2K43CB2-CTD	DDR4	RDIMM	16 GB	2R x 8	2666 Mbps	1.2 V	(1G x 8) x 18
<input type="checkbox"/>	M393A2K43CB2-CVF	DDR4	RDIMM	16 GB	2R x 8	2933 Mbps	1.2 V	(1G x 8) x 18
<input type="checkbox"/>	M393A2K43DB2-CTD	DDR4	RDIMM	16 GB	2R x 8	2666 Mbps	1.2 V	(1G x 8) x 18
<input type="checkbox"/>	M393A2K43DB2-CVF	DDR4	RDIMM	16 GB	2R x 8	2933 Mbps	1.2 V	(1G x 8) x 18
<input type="checkbox"/>	M393A2K43DB2-CWE	DDR4	RDIMM	16 GB	2R x 8	3200 Mbps	1.2 V	(1G x 8) x 18
<input type="checkbox"/>	M393A2K43DB3-CWE	DDR4	RDIMM	16 GB	2R x 8	3200 Mbps	1.2 V	(1G x 8) x 18
<input type="checkbox"/>	M393A4G43AB3-CVF	DDR4	RDIMM	32 GB	1R x 4	2933 Mbps	1.2 V	(4G x 4) x 18
<input type="checkbox"/>	M393A4G43AB3-CWE	DDR4	RDIMM	32 GB	1R x 4	3200 Mbps	1.2 V	(4G x 4) x 18
<input type="checkbox"/>	M393A4G43AB3-CVF	DDR4	RDIMM	32 GB	2R x 8	2933 Mbps	1.2 V	(2G x 8) x 18
<input type="checkbox"/>	M393A4G43AB3-CWE	DDR4	RDIMM	32 GB	2R x 8	3200 Mbps	1.2 V	(2G x 8) x 18
<input type="checkbox"/>	M393A4K43DB3-CPB	DDR4	RDIMM	32 GB	2R x 4	2133 Mbps	1.2 V	(2G x 4) x 36

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Inside the building blocks of the 5G future

The management and processing of data in the new era of connectivity will be a critical issue for every organization and enterprise.

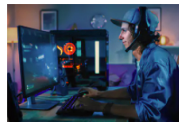
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Samsung's PM1733 SSD and High Density DIMMs Support

Samsung announced support of the Samsung PM1733 PCIe Gen16 SSD and high density DIMMs for the AMD EPYC™ 7002 Generation Processors.

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