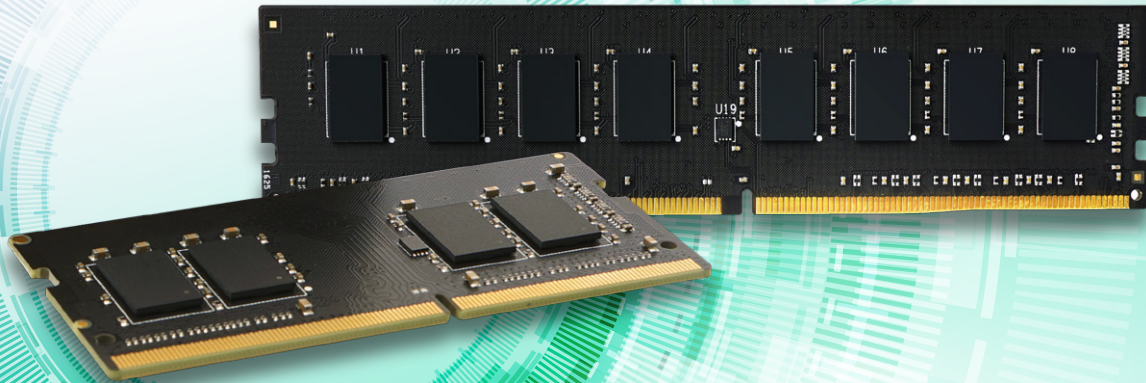




Maximized Performance, Greater Value



DDR4 UDIMM/SODIMM

2133 | 2400 | 2666 | 3200

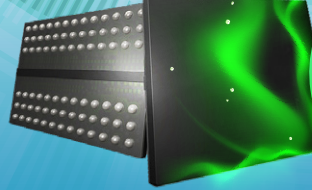
Memory Module

Features

- Complies with JEDEC standards
 - Low voltage of 1.2V for less power consumption
 - 100% tested for stability, durability, and reliability
 - 100% verified for compatibility on mainstream DDR4 motherboards*
- *Looking for the right DRAM module? Use the compatibility search tool on our website

Specifications

- Capacity: 2133 / 2400MHz: 4GB ~ 16GB
2666MHz: 4GB ~ 32GB
3200MHz: 8GB ~ 32GB
 - Form Factor: [UDIMM] 288Pin UDIMM non-ECC
[SODIMM] 260Pin SODIMM non-ECC
 - Frequency (Speed): 2133MHz, 2400MHz, 2666MHz, 3200MHz*
 - CAS Latency: CL15(2133), CL17(2400), CL19(2666), CL22(3200)
 - Voltage: 1.2V
 - Certification: CE, FCC, Green dot, WEEE, RoHS
 - Warranty: Lifetime warranty
- *Actual speed may vary depending on system platform or configuration



**MORE
ENERGY
EFFICIENCY**

A Memory Upgrade That Gives More

Designed to help your system run faster and smoother, this DDR4 UDIMM/SODIMM series offers up to the industry's fastest memory speed with 3200MT/s. Plus, DDR4 technology is up to twice as fast as its predecessor, DDR3, delivering more bandwidth and more energy efficiency. A simple upgrade allows for faster application load times, increased responsiveness, and the ability to handle data-intensive programs with ease.



**LOWER
VOLTAGE
1.2V**

Extra Memory, Extra Energy Savings Too

More memory is an easy cure for a slow computer, but it can also increase energy expenditure and overall stress on the system hardware. In addition to a performance upgrade, this DDR4 UDIMM/SODIMM series provides smarter energy consumption with a lower 1.2V voltage. This reduces power usage compared to the previous DDR3 1.5V module. Plus, greater heat dissipation keeps the computer running at lower temperatures for higher stability and a longer system hardware lifespan.



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SODIMM 

DDR4-3200

 UDIMM

Capacity	Timings / Voltage	IC Configuration	Rank	SP P/N	Capacity	Timings / Voltage	IC Configuration	Rank	SP P/N
8GBx1	CL22, 1.2V	1Gx8	Single Rank	SP008GBSFU320B01 SP008GBSFU320B02	8GBx1	CL22, 1.2V	1Gx8	Single Rank	SP008GBLFU320B01 SP008GBLFU320B02
8GBx2	CL22, 1.2V	1Gx8	Single Rank	SP016GBSFU320B21 SP016GBSFU320B22	8GBx2	CL22, 1.2V	1Gx8	Single Rank	SP016GBLFU320B21 SP016GBLFU320B22
16GBx1	CL22, 1.2V	1Gx8	Dual Rank	SP016GBSFU320B01 SP016GBSFU320B02	16GBx1	CL22, 1.2V	1Gx8	Dual Rank	SP016GBLFU320B01 SP016GBLFU320B02
		2Gx8	Single Rank	SP016GBSFU320F01 SP016GBSFU320F02			2Gx8	Single Rank	SP016GBLFU320F01 SP016GBLFU320F02
16GBx2	CL22, 1.2V	1Gx8	Dual Rank	SP032GBSFU320B21 SP032GBSFU320B22	16GBx2	CL22, 1.2V	1Gx8	Dual Rank	SP032GBLFU320B21 SP032GBLFU320B22
		2Gx8	Single Rank	SP032GBSFU320F21 SP032GBSFU320F22			2Gx8	Single Rank	SP032GBLFU320F21 SP032GBLFU320F22
32GBx1	CL22, 1.2V	2Gx8	Dual Rank	SP032GBSFU320F01 SP032GBSFU320F02	32GBx1	CL22, 1.2V	2Gx8	Dual Rank	SP032GBLFU320F01 SP032GBLFU320F02
32GBx2	CL22, 1.2V	2Gx8	Dual Rank	SP064GBSFU320F21 SP064GBSFU320F22	32GBx2	CL22, 1.2V	2Gx8	Dual Rank	SP064GBLFU320F21 SP064GBLFU320F22

SODIMM 

DDR4-2666

 UDIMM

Capacity	Timings / Voltage	IC Configuration	Rank	SP P/N	Capacity	Timings / Voltage	IC Configuration	Rank	SP P/N
4GBx1	CL19, 1.2V	512Mx8	Single Rank	SP004GBSFU266N02	4GBx1	CL19, 1.2V	512Mx8	Single Rank	SP004GBLFU266N02
		512Mx16	Single Rank	SP004GBSFU266C02	4GBx2	CL19, 1.2V	512Mx8	Single Rank	SP008GBLFU266N22
4GBx2	CL19, 1.2V	512Mx8	Single Rank	SP008GBSFU266N22	8GBx1	CL19, 1.2V	1Gx8	Single Rank	SP008GBLFU266B01 SP008GBLFU266B02
4GBx1	CL19, 1.2V	512Mx16	Single Rank	SP004GBSFU266C02			8GBx2	CL19, 1.2V	1Gx8
8GBx1	CL19, 1.2V	1Gx8	Single Rank	SP008GBSFU266B01 SP008GBSFU266B02	16GBx1	CL19, 1.2V			1Gx8
8GBx2	CL19, 1.2V	1Gx8	Single Rank	SP016GBSFU266B22			2Gx8	Single Rank	SP016GBLFU266F01 SP016GBLFU266F02
16GBx1	CL19, 1.2V	1Gx8	Dual Rank	SP016GBSFU266B01 SP016GBSFU266B02			16GBx2	CL19, 1.2V	1Gx8
		2Gx8	Single Rank	SP016GBSFU266F01 SP016GBSFU266F02	2Gx8	Single Rank			SP032GBLFU266F21 SP032GBLFU266F22
		1Gx8	Dual Rank	SP032GBSFU266B22	32GBx1	CL19, 1.2V			2Gx8
16GBx2	CL19, 1.2V	2Gx8	Single Rank	SP032GBSFU266F21 SP032GBSFU266F22			32GBx2	CL19, 1.2V	2Gx8
32GBx1	CL19, 1.2V	2Gx8	Dual Rank	SP032GBSFU266F01 SP032GBSFU266F02					
32GBx2	CL19, 1.2V	2Gx8	Dual Rank	SP064GBSFU266F21 SP064GBSFU266F22					

SODIMM 

DDR4-2400

 UDIMM

Capacity	Timings / Voltage	IC Configuration	Rank	SP P/N	Capacity	Timings / Voltage	IC Configuration	Rank	SP P/N
4GBx1	CL17, 1.2V	512Mx8	Single Rank	SP004GBSFU240N01 SP004GBSFU240N02	4GBx1	CL17, 1.2V	512Mx8	Single Rank	SP004GBLFU240N01 SP004GBLFU240N02
4GBx2	CL17, 1.2V	512Mx8	Single Rank	SP008GBSFU240N21 SP008GBSFU240N22	4GBx2	CL17, 1.2V	512Mx8	Single Rank	SP008GBLFU240N21 SP008GBLFU240N22
8GBx1	CL17, 1.2V	512Mx8	Dual Rank	SP008GBSFU240N02	8GBx1	CL17, 1.2V	512Mx8	Dual Rank	SP008GBLFU240N02
		1Gx8	Single Rank	SP008GBSFU240B01 SP008GBSFU240B02			1Gx8	Single Rank	SP008GBLFU240B01 SP008GBLFU240B02
8GBx2	CL17, 1.2V	1Gx8	Single Rank	SP016GBSFU240B21 SP016GBSFU240B22	8GBx2	CL17, 1.2V	1Gx8	Single Rank	SP016GBLFU240B21 SP016GBLFU240B22
16GBx1	CL17, 1.2V	1Gx8	Dual Rank	SP016GBSFU240B01 SP016GBSFU240B02	16GBx1	CL17, 1.2V	1Gx8	Dual Rank	SP016GBLFU240B01 SP016GBLFU240B02
		2Gx8	Single Rank	SP016GBSFU240F02			2Gx8	Single Rank	SP016GBLFU240F02
16GBx2	CL17, 1.2V	1Gx8	Dual Rank	SP032GBSFU240B21 SP032GBSFU240B22	16GBx2	CL17, 1.2V	1Gx8	Dual Rank	SP032GBLFU240B21 SP032GBLFU240B22

SODIMM 

DDR4-2133

 UDIMM

Capacity	Timings / Voltage	IC Configuration	Rank	SP P/N	Capacity	Timings / Voltage	IC Configuration	Rank	SP P/N
4GBx1	CL15, 1.2V	512Mx8	Single Rank	SP004GBSFU213N01 SP004GBSFU213N02	4GBx1	CL15, 1.2V	512Mx8	Single Rank	SP004GBLFU213N01 SP004GBLFU213N02
4GBx2	CL15, 1.2V	512Mx8	Single Rank	SP008GBSFU213N21 SP008GBSFU213N22	4GBx2	CL15, 1.2V	512Mx8	Single Rank	SP008GBLFU213N21 SP008GBLFU213N22
8GBx1	CL15, 1.2V	512Mx8	Dual Rank	SP008GBSFU213N02	4GBx4	CL15, 1.2V	512Mx8	Single Rank	SP016GBLFU213N41 SP016GBLFU213N42
		1Gx8	Single Rank	SP008GBSFU213B01 SP008GBSFU213B02	8GBx1	CL15, 1.2V	512Mx8	Dual Rank	SP008GBLFU213N02
8GBx2	CL15, 1.2V	1Gx8	Single Rank	SP016GBSFU213B21 SP016GBSFU213B22	8GBx1	CL15, 1.2V	1Gx8	Single Rank	SP008GBLFU213B01 SP008GBLFU213B02
16GBx1	CL15, 1.2V	1Gx8	Dual Rank	SP016GBSFU213B01 SP016GBSFU213B02	8GBx2	CL15, 1.2V	1Gx8	Single Rank	SP016GBLFU213B21 SP016GBLFU213B22
		1Gx8	Dual Rank	SP016GBSFU213B01 SP016GBSFU213B02	16GBx1	CL15, 1.2V	1Gx8	Dual Rank	SP016GBLFU213B01 SP016GBLFU213B02
16GBx2	CL15, 1.2V	1Gx8	Dual Rank	SP032GBSFU213B21 SP032GBSFU213B22	16GBx2	CL15, 1.2V	1Gx8	Dual Rank	SP032GBLFU213B21 SP032GBLFU213B22