

DRAM MODULE

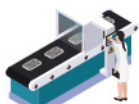
Product Overview



Your Best OEM/ODM Partner



Design



Manufacturing



Testing



Logistics





ABOUT ALFAMEMORY

AlfaMemory Technology is a Taiwan based company that specializes in SSD technologies. We have a vast network of manufacturing partners in Taiwan and China that produce NAND Flash and DRAM products. We have more than 15 years of technological experience in the industry and have received domestic and foreign recognition for our quality and service.

Currently, our main focus is in providing the best OEM/ODM products and services. We have a diverse and growing product line which can be quickly modified and customized to fit our client's needs. We strongly believe in our business philosophy of maintaining the utmost quality, efficiency, and reliability. We show our loyalty and dedication to our clients through our outstanding customer service, providing fast response and solutions to any questions or problems should they arise. We will always put our customers first to ensure they are satisfied.

WORLDWIDE CUSTOMER LOCATIONS



Factory Environment



CONTENT

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DDR4 UDIMM

DDR3 UDIMM

LAPTOP DRAM MODULE

DDR4 SODIMM

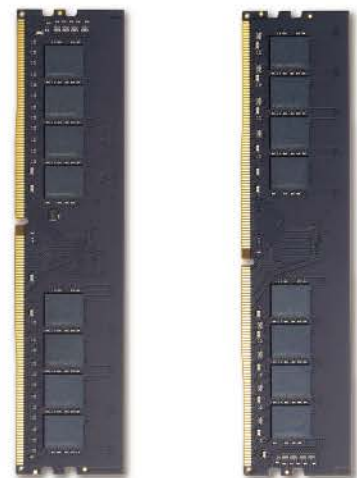
DDR3 SODIMM





DESKTOP DRAM MODULE DDR4 UDIMM

From enterprise to network and server clients, OEMs from around the world trust in AlfaMemory Technology's DRAM modules and technology. AlfaMemory has over 15+ years of supporting OEMs with leading edge DRAM technology and custom memory solutions. AlfaMemory Technology DDR4 Memory module include capacities up to 32GB.



Features & Benefits

- 20% Lower Overall Power Consumption Compared to DDR3 Memory Modules
- 1.2V VDD for Lower Power Consumption
- Write Cyclic Redundancy Check (CRC) is Supported at All Speed Grades to Ensure Better Reliability in Systems
- Higher Speeds Starting with DDR4-2400MHz
- 100% tested for stability, durability, and reliability
- 100% verified for compatibility on mainstream DDR4 motherboards

Specifications

DDR4 288 pin Non-ECC Unbuffered U-DIMM			
Capacity	4GB / 8GB / 16GB / 32GB		
Frequency	2400MHz	2666MHz	3200MHz
Data Transfer Bandwidth	19,200 MB/s (PC4 19200)	21,300 MB/s (PC4 21300)	25,600 MB/s (PC4 25600)
Dram Configuration	512MX8 /1Gx8 / 2Gx8		
CAS Latency	CL17-CL22		
Dimensions	31.25(H) x 133.35(L)mm		
Voltage	1.2V		
Certification	CE, FCC, RoHS		
Warranty	Limited lifetime warranty		

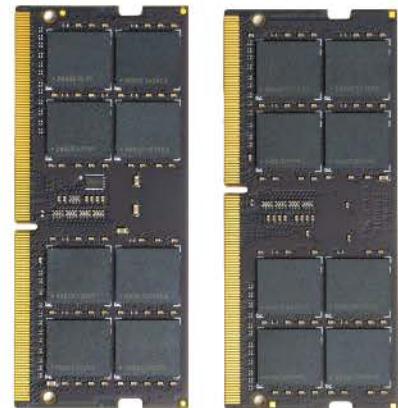
Order Information

Part Number	Density	Configuration	CAS Latency	Speed	Voltage	Temp
DDR4 288 pin Non-ECC Unbuffered U-DIMM						
AMD322GUDQN8	32GB	2GX8	CL22	3200MT/s	1.2V	0°C to +70°C
AMD322GUDNK8	32GB	2GX8	CL19	2666MT/s	1.2V	0°C to +70°C
AMD322GUDJH8	32GB	2GX8	CL17	2400MT/s	1.2V	0°C to +70°C
AMD162GUDQN8	16GB	2GX8	CL22	3200MT/s	1.2V	0°C to +70°C
AMD162GUDNK8	16GB	2GX8	CL19	2666MT/s	1.2V	0°C to +70°C
AMD162GUDJH8	16GB	2GX8	CL17	2400MT/s	1.2V	0°C to +70°C
AMD161GUDQN8	16GB	1GX8	CL22	3200MT/s	1.2V	0°C to +70°C
AMD161GUDNK8	16GB	1GX8	CL19	2666MT/s	1.2V	0°C to +70°C
AMD161GUDJH8	16GB	1GX8	CL17	2400MT/s	1.2V	0°C to +70°C
AMD081GUDQN8	8GB	1GX8	CL22	3200MT/s	1.2V	0°C to +70°C
AMD081GUDNK8	8GB	1GX8	CL19	2666MT/s	1.2V	0°C to +70°C
AMD081GUDJH8	8GB	1GX8	CL17	2400MT/s	1.2V	0°C to +70°C
AMD045MUDNK8	4GB	512MX8	CL19	2666MT/s	1.2V	0°C to +70°C
AMD045MUDJH8	4GB	512MX8	CL17	2400MT/s	1.2V	0°C to +70°C
AMD042MUDNK6	4GB	256MX16	CL19	2666MT/s	1.2V	0°C to +70°C
AMD042MUDJH6	4GB	256MX16	CL17	2400MT/s	1.2V	0°C to +70°C



LAPTOP DRAM MODULE DDR4 SODIMM

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- 100% verified for compatibility on mainstream DDR4 motherboards

Specifications

DDR4 260 pin Non-ECC Unbuffered SO-DIMM			
Capacity	4GB / 8GB / 16GB / 32GB		
Frequency	2400MHz	2666MHz	3200MHz
Data Transfer Bandwidth	19,200 MB/s (PC4 19200)	21,300 MB/s (PC4 21300)	25,600 MB/s (PC4 25600)
Dram Configuration	512MX8 / 1Gx8 / 2Gx8		
CAS Latency	CL17-CL22		
Dimensions	30.0(H) x 69.60(L)mm		
Voltage	1.2V		
Certification	CE, FCC, RoHS		
Warranty	Limited lifetime warranty		

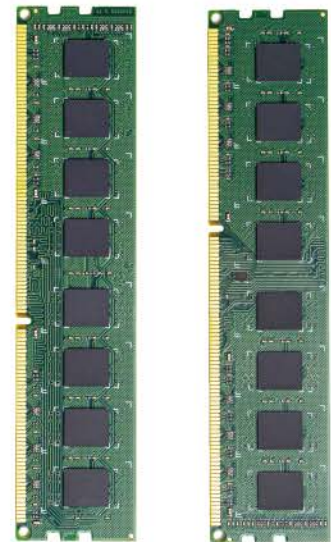
Order Information

Part Number	Density	Configuration	CAS Latency	Speed	Voltage	Temp
DDR4 260 pin Non-ECC Unbuffered SO-DIMM						
AMD322GSDQN8	32GB	2GX8	CL22	3200MT/s	1.2V	0°C to +70°C
AMD322GSDNK8	32GB	2GX8	CL19	2666MT/s	1.2V	0°C to +70°C
AMD322GSDJH8	32GB	2GX8	CL17	2400MT/s	1.2V	0°C to +70°C
AMD162GSDQN8	16GB	2GX8	CL22	3200MT/s	1.2V	0°C to +70°C
AMD162GSDNK8	16GB	2GX8	CL19	2666MT/s	1.2V	0°C to +70°C
AMD162GSDJH8	16GB	2GX8	CL17	2400MT/s	1.2V	0°C to +70°C
AMD161GSDQN8	16GB	1GX8	CL22	3200MT/s	1.2V	0°C to +70°C
AMD161GSDNK8	16GB	1GX8	CL19	2666MT/s	1.2V	0°C to +70°C
AMD161GSDJH8	16GB	1GX8	CL17	2400MT/s	1.2V	0°C to +70°C
AMD081GSDQN8	8GB	1GX8	CL22	3200MT/s	1.2V	0°C to +70°C
AMD081GSDNK8	8GB	1GX8	CL19	2666MT/s	1.2V	0°C to +70°C
AMD081GSDJH8	8GB	1GX8	CL17	2400MT/s	1.2V	0°C to +70°C
AMD045MSDNK8	4GB	512MX8	CL19	2666MT/s	1.2V	0°C to +70°C
AMD045MSDJH8	4GB	512MX8	CL17	2400MT/s	1.2V	0°C to +70°C
AMD042MSDNK6	4GB	256MX16	CL19	2666MT/s	1.2V	0°C to +70°C
AMD042MSDJH6	4GB	256MX16	CL17	2400MT/s	1.2V	0°C to +70°C



DESKTOP DRAM MODULE DDR3 UDIMM

The DDR3 SODIMM employs high-quality original DRAM ICs and 100% factory tested module and is 100% factory-tested to guarantee the high stability, durability and compatibility. The modules comply with all relevant JEDEC standards and are available in 2GB, 4GB, and 8GB capacities and with data transfer rates of 1333MT/s, 1600MT/s. No matter what you do on your NB, you'll do it better and faster with a 1600MHz DDR3 upgrade from AlfaMemory.



Features & Benefits

- Low Power consumption
- Higher Densities
- Improved Signaling with Fly-By Architecture
- Higher Speeds Starting with DDR3-1333MHz
- 100% Tested for Stability, Durability, and Reliability
- 100% Verified for Compatibility on Mainstream DDR3 Motherboards

Specifications

DDR3 240 pin Non-ECC Unbuffered U-DIMM		
Capacity	2GB / 4GB / 8GB	
Frequency	1333MHz	1600MHz
Data Transfer Bandwidth	10,600 MB/s (PC3 10600)	12,800MB/s (PC3 12800)
Dram Configuration	256Mx8 / 512MX8	
CAS Latency	CL9-CL11	
Dimensions	30(H) x 133.35(L)mm	
Voltage	1.35V / 1.5V	
Certification	CE, FCC, RoHS	
Warranty	Limited lifetime warranty	

Order Information

Part Number	Density	Configuration	CAS Latency	Speed	Voltage	Temp
DDR3 240 pin Non-ECC Unbuffered U-DIMM						
AMC085MADPB8	8GB	512MX8	CL11	1600MT/s	1.35V/1.5V	0°C to +70°C
AMC085MADH98	8GB	512MX8	CL9	1333MT/s	1.35V/1.5V	0°C to +70°C
AMC045MADPB8	4GB	512MX8	CL11	1600MT/s	1.35V/1.5V	0°C to +70°C
AMC045MADH98	4GB	512MX8	CL9	1333MT/s	1.35V/1.5V	0°C to +70°C
AMC042MADPB8	4GB	256MX8	CL11	1600MT/s	1.35V/1.5V	0°C to +70°C
AMC042MADH98	4GB	256MX8	CL9	1333MT/s	1.35V/1.5V	0°C to +70°C
AMC022MADPB8	2GB	256MX8	CL11	1600MT/s	1.35V/1.5V	0°C to +70°C
AMC022MADH98	2GB	256MX8	CL9	1333MT/s	1.35V/1.5V	0°C to +70°C



LAPTOP DRAM MODULE DDR3 SODIMM

The DDR3 SODIMM employs high-quality original DRAM ICs and 100% factory tested module and is 100% factory-tested to guarantee the high stability, durability and compatibility. The modules comply with all relevant JEDEC standards and are available in 2GB, 4GB, and 8GB capacities and with data transfer rates of 1333MT/s, 1600MT/s. No matter what you do on your NB, you'll do it better and faster with a 1600MHz DDR3 upgrade from AlfaMemory.



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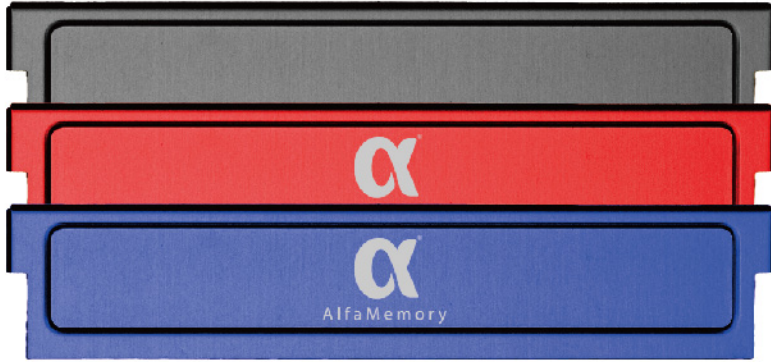
Specifications

DDR3 204 pin Non-ECC Unbuffered SO-DIMM	
Capacity	2GB / 4GB / 8GB
Frequency	1333MHz / 1600MHz
Data Transfer Bandwidth	10,600 MB/s (PC3 10600) / 12,800MB/s (PC3 12800)
Dram Configuration	256Mx8 / 512MX8
CAS Latency	CL9-CL11
Dimensions	30(H) x 67.60(L)mm
Voltage	1.35V / 1.5V
Certification	CE, FCC, RoHS
Warranty	Limited lifetime warranty

Order Information

Part Number	Density	Configuration	CAS Latency	Speed	Voltage	Temp
DDR3 204 pin Non-ECC Unbuffered SO-DIMM						
AMC085MBDPB8	8GB	512MX8	CL11	1600MT/s	1.35V/1.5V	0°C to +70°C
AMC085MBDH98	8GB	512MX8	CL9	1333MT/s	1.35V/1.5V	0°C to +70°C
AMC045MBDPB8	4GB	512MX8	CL11	1600MT/s	1.35V/1.5V	0°C to +70°C
AMC045MBDH98	4GB	512MX8	CL9	1333MT/s	1.35V/1.5V	0°C to +70°C
AMC042MBDPB8	4GB	256MX8	CL11	1600MT/s	1.35V/1.5V	0°C to +70°C
AMC042MBDH98	4GB	256MX8	CL9	1333MT/s	1.35V/1.5V	0°C to +70°C
AMC022MBDPB8	2GB	256MX8	CL11	1600MT/s	1.35V/1.5V	0°C to +70°C
AMC022MBDH98	2GB	256MX8	CL9	1333MT/s	1.35V/1.5V	0°C to +70°C

DRAM MODULE HEATSINK



Dimensions

134×26.9mm

Part Number

AA01 Black

AA02 Red

AA03 Blue



Dimensions

126×26mm

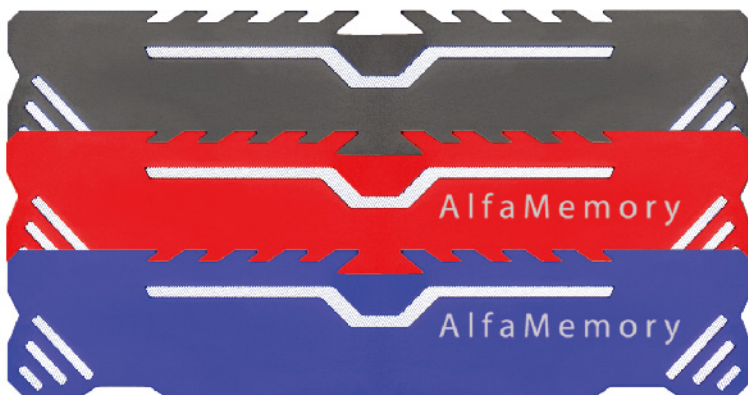
Part Number

BA01 Black

BA02 Gray

BA03 Red

BA04 Blue



Dimensions

126×25mm

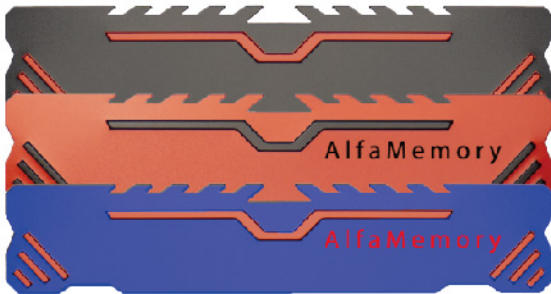
Part Number

CA01 Black

CA02 Red

CA03 Blue

DRAM MODULE HEATSINK

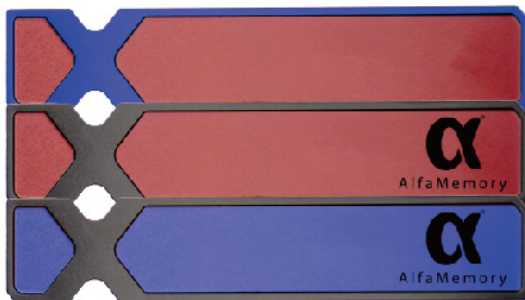


Dimensions

126×25mm

Part Number

CB01 Black/Red Trim	CB04 Blue/Red Trim
CB02 Black/Blue Trim	CB05 Red/Black Trim
CB03 Blue/Black Trim	CB06 Red/Blue Trim



Dimensions

126×25mm

Part Number

DB01 Black/Red Trim	DB04 Blue/Red Trim
DB02 Black/Blue Trim	DB05 Red/Black Trim
DB03 Blue/Black Trim	DB06 Red/Blue Trim

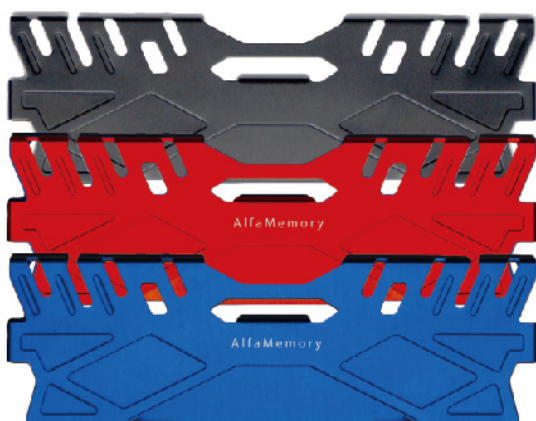


Dimensions

126×25mm

Part Number

EB01 Black/Red Trim	EB04 Blue/Red Trim
EB02 Black/Blue Trim	EB05 Red/Black Trim
EB03 Blue/Black Trim	EB06 Red/Blue Trim



Dimensions

126×25mm

Part Number

FA01 Black
FA02 Red
FA03 Blue



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