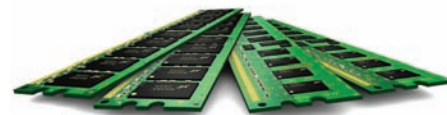




Micron Server Memory Products

Micron's broad server memory products offer the flexibility to design in the right memory solution without compromises. For blade, rack, and other small-form-factor applications, we have a complete line of MiniDIMMs, VLP MiniDIMMs, VLP RDIMMs, SORDIMMs, and SODIMMs. For high-density, high-performance memory required in bandwidth-intensive servers, Micron has DDR2-533/DDR2-667 RDIMMs and FBDIMMs. For servers that must achieve an economy/density balance, Micron offers ECC UDIMMs.



Features ▶

- Online simulation models and technical notes
- In-house component fabrication, module assembly, and testing
- High-density, reduced chip count modules
- Intel® validation
- ATCA compatibility (VLP SOCDIMM and VLP SORDIMM)

Benefits ▶

- Time-saving design, simulation, and development toolsets
- Proven reliability
- Energy-efficient solutions
- Improves time to market
- Improved airflow and smaller footprints

Applications ▶

- Enterprise servers
- Blade servers
- Computing applications
- Network servers

Product Specifications ▶

Type	Density	Part Number	Speed	Package	Databus Width	# Ranks	SS/DS	Prod.
184-pin DDR SDRAM registered DIMM	256 MB	MT9VDDF3272G-335XX	333 2.5-3-3	FBGA	x72	Single	SS	Now
	512 MB	MT9VDDF6472G/Y-335XX	333 2.5-3-3	FBGA	x72	Single	SS	Now
	1 GB	MT18VDDF12872G/Y-335XX	333 2.5-3-3	FBGA	x72	Single	DS	Now
	2 GB	MT36VDDF25672G/Y-335XX	333 2.5-3-3	FBGA	x72	Single	DS	Now
240-pin DDR2 SDRAM registered DIMM	512 MB	MT9HTF6472PY-667XX	667 5-5-5	FBGA	x72	Single	SS	Now
	1 GB	MT18HTF12872PY-667XX	667 5-5-5	FBGA	x72	Single	DS	Now
	2 GB	MT36HTF25672PY-667XX	667 5-5-5	FBGA	x72	Dual	DS	Now
168-pin SDR SDRAM unbuffered DIMM	256 MB	MT8LSDT3264AY-133XX	133 CL3	TSOP	x64	Single	SS	Now
	512 MB	MT16LSDT6464AG-133XX	133 CL3	TSOP	x64	Dual	DS	Now
	1 GB	MT16LSDT12864AG-133XX	133 CL3	TSOP	x64	Dual	DS	Now
184-pin DDR SDRAM unbuffered DIMM	256 MB	MT4VDDT3264AG-335XX	333 2.5-3-3	TSOP	x64	Single	SS	Now
	512 MB	MT8VDDT6464AG-335XX	333 2.5-3-3	TSOP	x64	Single	SS	Now
	1 GB	MT16VDDT12864AG-335XX	333 2.5-3-3	TSOP	x64	Dual	DS	Now
240-pin DDR2 SDRAM unbuffered DIMM	256 MB	MT4HTF3264AY-667XX	667 5-5-5	FBGA	x64	Single	SS	Now
	512 MB	MT8HTF6464AY-667XX	667 5-5-5	FBGA	x64	Single	SS	Now
	1 GB	MT16HTF12864AY-667XX	667 5-5-5	FBGA	x64	Dual	DS	Now
	2 GB	MT16HTF25664AY-667XX	667 5-5-5	FBGA	x64	Dual	DS	Now
184-pin DDR SDRAM VLP registered DIMM	512 MB	MT9VDVF6472G-335XX	333 2.5-3-3	FBGA	x72	Single	SS	Now
	1 GB	MT18VDVF12872G-335XX	333 2.5-3-3	FBGA	x72	Single	DS	Now
240-pin DDR2 SDRAM VLP registered DIMM	512 MB	MT9HVF6472PY-667XX	667 5-5-5	FBGA	x72	Single	SS	Now
	1 GB	MT18HVF12872PY-667XX	667 5-5-5	FBGA	x72	Single	DS	Now
	2 GB	MT18HVF25672PY-667XX	667 5-5-5	FBGA	x72	Single	DS	Now
240-pin DDR2 SDRAM FBDIMM	512 MB	MT9HTF6472FY-667XXYY	667 5-5-5	FBGA	x72	Single	SS	Now
	1 GB	MT18HTF12872FY-667XXYY	667 5-5-5	FBGA	x72	Dual	DS	Now
	2 GB	MT18HTF25672PY-667XX	667 5-5-5	FBGA	x72	Dual	DS	Now
	4 GB	MT36HTF51272FY-667XXYY	667 5-5-5	FBGA	x72	Dual	DS	Now
DDR2 VLP RDIMM	4 GB	MT36HVS51272PY-667XX	667 5-5-5	FBGA 2COB	x72	Dual	SS	Now

Note: "Y" in part number denotes lead-free module. "XX"=PCB revision and die revision. For FBDIMMs, YY=AMB vendor, and AMB revision

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Preferred Module Solutions

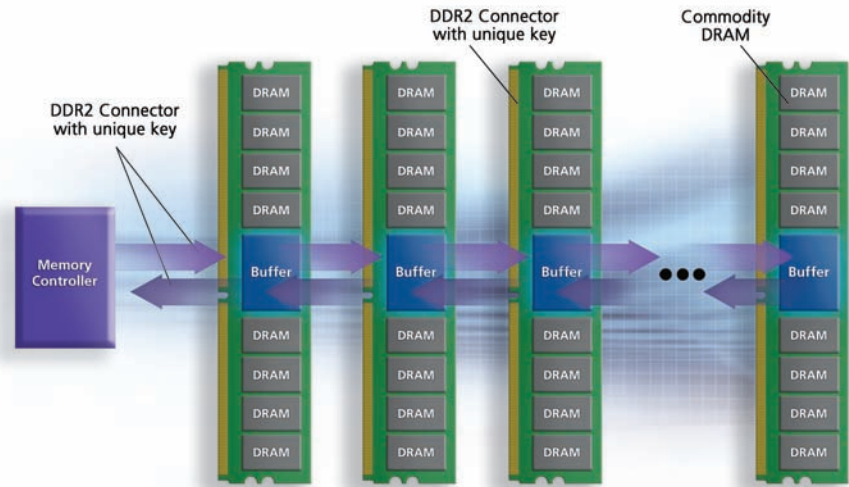
EMBEDDED BOARDS AND SYSTEMS | FLAT PANEL | MEMORY | SOFTWARE | STORAGE

Product Specifications ▶

Type	Density	Part Number	Speed	Package	Databus Width	# Ranks	SS/DS	Prod.
244-pin DDR2 MiniRDIMM	512 MB	MT9HTF6472PKY-667XX	667 5-5-5	FBGA	X72	Single	DS	Now
	1 GB	MT9HTF12872PKY-667XX	667 5-5-5	FBGA	X72	Single	DS	Now
	2 GB	MT18HTS25672PKY-667XX	667 5-5-5	FBGA 2 COB	X72	Dual	DS	Coming soon
244-pin DDR2 VLP MiniRDIMM	512 MB	MT9HVF6472PKY-667XX	667 5-5-5	FBGA	X72	Single	DS	Now
	1 GB	MT9HVF12872PKY-667XX	667 5-5-5	FBGA	X72	Single	DS	Now
	2 GB	MT18HVS25672PKY-667XX	667 5-5-5	FBGA 2 COB	X72	Dual	DS	Coming soon
200-pin DDR2 SORDIMM	512 MB	MT9HTF6472RHY-667XX	667 5-5-5	FBGA	X72	Single	DS	Now
	1 GB	MT9HTF12872RHY-667XX	667 5-5-5	FBGA	X72	Single	DS	Now
	2 GB	MT18HTS25672RHY-667XX	667 5-5-5	FBGA 2 COB	X72	Dual	DS	Coming soon
200-pin DDR2 VLP SORDIMM	512 MB	MT9HVF6472RHY-667XX	667 5-5-5	FBGA	X72	Single	DS	Coming soon
	1 GB	MT9HVF12872RHY-667XX	667 5-5-5	FBGA	X72	Single	DS	Coming soon
	2 GB	MT18HVS25672RHY-667XX	667 5-5-5	FBGA 2 COB	X72	Dual	DS	Coming soon
200-pin DDR2 SOCDIMM	512 MB	MT9HTF6472CHY-667XX	667 5-5-5	FBGA	X72	Single	DS	Now
	1 GB	MT9HTF12872CHY-667XX	667 5-5-5	FBGA	X72	Single	DS	Now
	2 GB	MT18HTS25672CHY-667XX	667 5-5-5	FBGA 2 COB	X72	Dual	DS	Coming soon

Type	Density	Description ¹	CS/ Rank ²	DRAM Components ³	Base Module Part Number	Speed Mark ⁴	CAS Latency	PCB Height	Data Rate ⁵	Sample	Prod.
240-pin DDR2 SDRAM FBDIMM	512 MB	DS/SR 64M x 72 1.8V Gold	1	(9) 64M x 8 FBGA	MT9HTF6472FY	-667XXYY	5	1.20"	5,300	Now	Now
	1 GB	DS/SR 128M x 72 1.8V Gold		(9) 128M x 8 FBGA	MT9HTF12872FY	-667XXYY	5	1.20"	5,300	Now	Now
	2 GB	DS/SR 256M x 72 1.8V Gold		(18) 64M x 8 FBGA	MT18HTF12872FDY	-667XXYY	5	1.20"	5,300	Now	Now
				(18) 128M x 8 FBGA	MT18HTF25672FDY	-667XXYY	5	1.20"	5,300	Now	Now
	4 GB	DS/SR 512M x 72 1.8V Gold		(36) 128M x 8 FBGA	MT36HTF25672FY	-667XXYY	5	1.20"	5,300	Now	Now
			(36) 256M x 4 FBGA	MT36HTF51272FY	-667XXYY	5	1.20"	5,300	Now	Now	

Related Information ▶



¹DS=double-sided; DR = dual rank; SR=single rank
²CS/rank=number of chip selects per bank
³All DDR2 SDRAM modules are available in lead-free packages only
⁴XX=Die/PCB rev; YY=AMB-vendor/AMB-vendor revision
⁵Data rate=MB/s on 64-bit data bus

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