

PRODUCT BRIEF | DDR5, DDR4, DDR3, DDR2

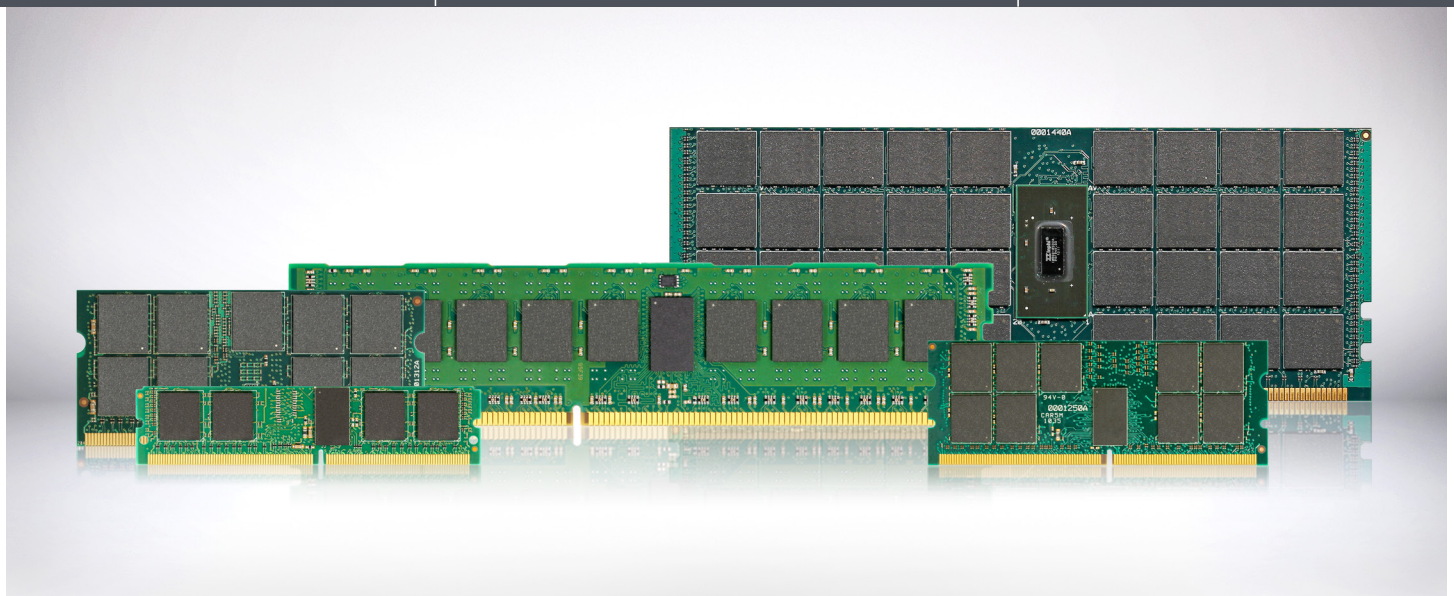
DRAM MEMORY MODULES

From enterprise to Embedded to network infrastructure, OEMs from around the world trust in Viking Technology's DRAM modules and technology. Viking has more than just a long history of supporting OEMs with leading edge DRAM technology but also provides its customers with legacy support. With the industry's broadest offering of standard DRAM modules, specialty modules, and small form factor modules, Viking is not only a provider of high-quality memory but a partner in DRAM technology.

FEATURES

- ▶ Broadest DRAM Offering
- ▶ JEDEC Standard
- ▶ Customized Testing
- ▶ Locked Bill of Materials (BOM)
- ▶ Extending Burn-in Testing
- ▶ Thermal Modeling
- ▶ Ultra Small Form Factors

Custom Form Factors	JEDEC Standard Form Factors	-55°C to +125°C (Military temp)
Stacking Technology	Multi-chip DRAM Packaging	Conformal Coating



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DRAM MEMORY MODULES

SPECIFICATION		DDR2	DDR3	DDR4	DDR5
CHIP DENSITY	Min	512Mb	1Gb	4Gb	16Gb
	Max	2Gb	8Gb	32Gb	–
MODULE DENSITY	Max	16GB	64GB	128GB	32GB
SPEED	Slowest	400MT/s	800MT/s	1600MT/s	4800MT/s
	Fastest	800MT/s	1866MT/s	2666MT/s	–
PACKAGE	Package	FBGA	FBGA	FBGA	FBGA

DRAM EXTENDED TEMPERATURE SUPPORT

FORM FACTOR	DDR5	DDR4	DDR3	DDR2
LRDIMM	NA	Up to 256GB	Up to 64GB	Up to 16GB
RDIMM	Up to 256GB	Up to 256GB	Up to 32GB	Up to 8GB
UDIMM	Up to 32GB	Up to 128GB	Up to 16GB	Up to 8GB
VLP RDIMM	Up to 32GB	Up to 32GB	Up to 32GB	Up to 4GB
VLP UDIMM	Up to 32GB	Up to 32GB	Up to 16GB	Up to 8GB
ULP RDIMM	Up to 32GB	Up to 16GB	Up to 16GB	Up to 8GB
MiniRDIMM	Up to 32GB	Up to 16GB	Up to 16GB	Up to 4GB
MiniUDIMM	Up to 32GB	Up to 16GB	Up to 16GB	Up to 4GB
VLP MiniRDIMM	Up to 16GB	Up to 16GB	Up to 16GB	Up to 4GB
VLP MiniUDIMM	Up to 16GB	Up to 16GB	Up to 8GB	NA
ULP MiniRDIMM	Up to 16GB	Up to 16GB	Up to 8GB	NA
ULP MiniUDIMM	Up to 16GB	Up to 16GB	Up to 8GB	Up to 4GB
SORDIMM	Up to 32GB	Up to 32GB	Up to 16GB	Up to 4GB
SOUDIMM	Up to 32GB	Up to 32GB	Up to 16GB	Up to 4GB
SOCDIMM	NA	NA	NA	NA
VLP SORDIMM	Up to 16GB	Up to 16GB	Up to 8GB	
TEMPERATURE RANGE				
	Commercial	Commercial	Commercial	Commercial
	Industrial	Industrial	Industrial	Industrial
	Automotive	Automotive		
	Military	Military		



Global Locations

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