

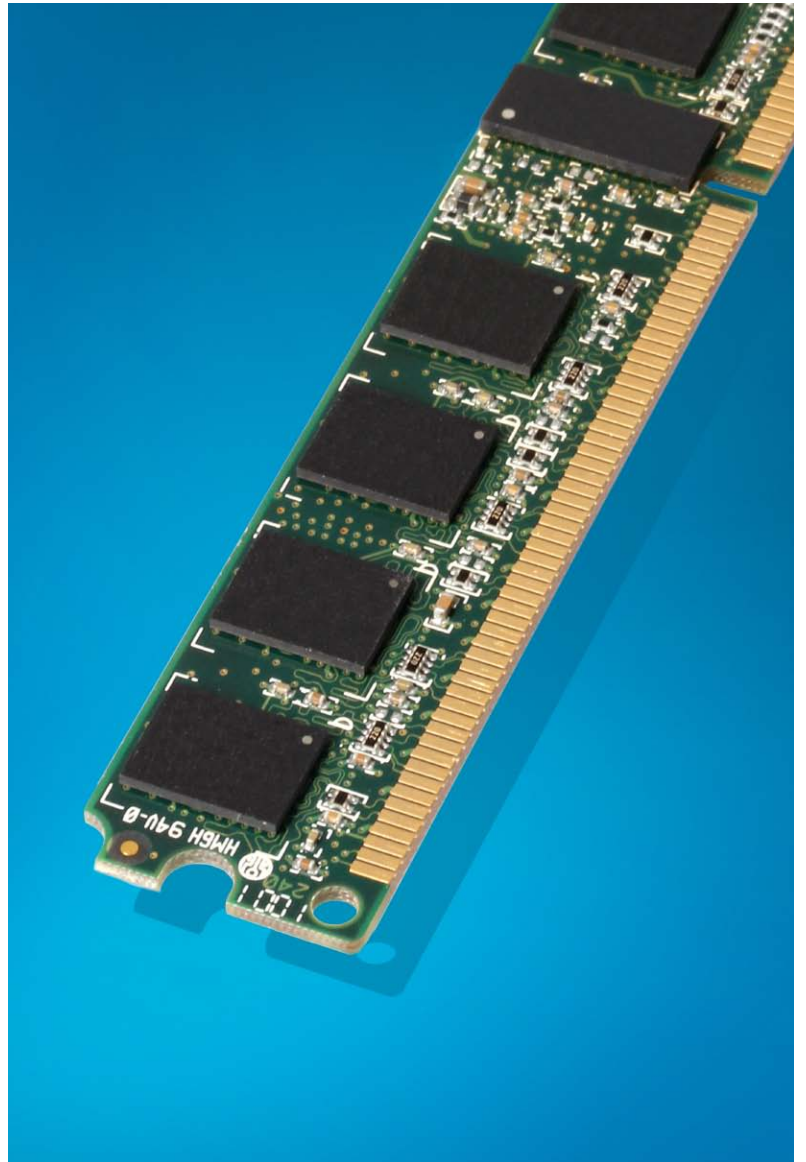
DDR2 Memory

DDR2

DDR2 memory family is Viking Technology's most popular and widely deployed memory technology. With a spectrum spanning enterprise, military, embedded and network infrastructure, the DDR2 memory family of modules is both reliable and extensive. Our DDR2 memory module portfolio is one of the industry's most complete line of products, ranging from LR heights to VLP to minis and more.

Viking Technology DDR2 Memory modules density range from 64MB up to 16GB and is supported in both commercial temperature (0°C – 70°C) and industrial temperature (-40°C – 85°C).

Viking Technology DRAM stacking capabilities is also deployed for the DDR2 memory family to enable higher density modules, allowing for lower cost compared to DDP's or single die monolithic devices.



DDR2 MEMORY FEATURES

- Differential CLK (#CLK) input
- Single, dual and quad rand designs
- Differential data strobe (DQS, DQS#) option
- Sequential and interleave burst types
- Available with or without ECC (Error Correction)
- Available in either Registered or Unbuffered
- Controlled Bill of Material (BOM)

DDR2 MEMORY APPLICATIONS

- Communications/Networking
- Embedded/Industrial
- PCs and workstations
- Casino gaming

DDR2 Memory

PRODUCT SPECIFICATIONS

CAPACITY

128MB to 8GB

FREQUENCY/ CAS LATENCY

DDR2-400 @ CL = 3

DDR2-533 @ CL = 4

DDR2-677 @ CL = 5

DDR2-800 @ CL = 5

DDR2-800@ CL = 6

POWER

Voltage Single 1.8V ± 0.1V*

ENVIRONMENTAL

Commercial Temp 0°C to 70 °C

Industrial Temp -40°C to + 85°C

Safety / Agency / Compliance Serial Presence Detect with EEPROM, RoHS

TECHNICAL INFORMATION

Registered inputs with one-clock delay

Sequential and Interleave Burst type

Auto and Self-refresh

Speed (Data Pin): 400Mz - 800Mz

Off chip driver (OCD) impedance calibration

On-die termination (ODT)

*1.55V & 1.5V available upon request

Form Factor	DDR2	Stacked DRAM
LRDIMM		
RDIMM	up to 16GB	up to 16GB
UDIMM	up to 8GB	
MiniRDIMM	up to 8GB	
MiniUDIMM	up to 4GB	
VLP MiniRDIMM	up to 4GB	up to 4GB
VLP MiniUDIMM	up to 4GB	
VLP RDIMM	up to 8GB	up to 8GB
VLP UDIMM	up to 4GB	
VLP SORDIMM		
SODIMM	up to 4GB	
SORDIMM	up to 4GB	
SOUDIMM	up to 4GB	
SOCDIMM	up to 4GB	
ULP RDIMM	up to 8GB	
ULP MiniRDIMM		
ULP MiniUDIMM		

For part numbers and capacity options, please email us at sales@vikingtechnology.com.

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