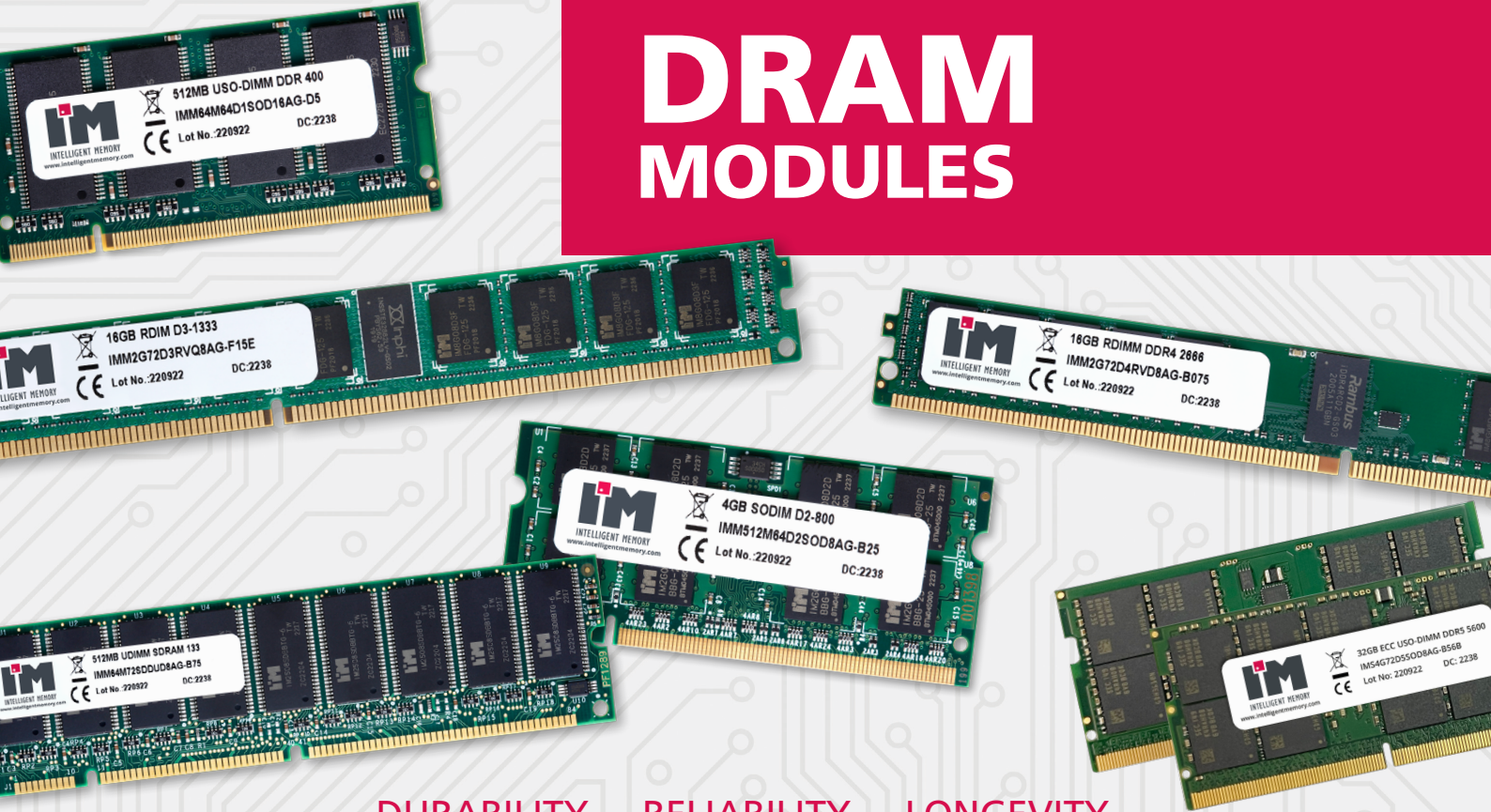


UNLIMITED INGENUITY

DRAM MODULES



DURABILITY. RELIABILITY. LONGEVITY.

IM products are designed to meet the most excruciating requirements for industrial and embedded applications, working at just about any temperature and speed that you can imagine. We provide a unique offering of DRAM modules that exceed the standards for commercial reliability and quality, being fully tested in the application's conditions for stability and performance.

IM introduced the first DDR3 16GB memory module with varying form factors, and additionally now offers several rare densities, configurations, features and package types over a number of different DRAM product categories. Environmental compliance, longevity, and assembly service features across our comprehensive portfolio of DRAM products.

- Providing memory solutions for industrial and embedded applications for over 30 years
- From standard to special, legacy to mainstream
- Long product lifetimes with continued support
- In-house product designs and testing capabilities
- Customizable configurations and feature-rich products across a range of solutions
- ECC and register feature enabled products
- Reliable product change management processes



For more information or to request samples, please visit us at www.intelligentmemory.com

You may also contact our sales team directly at sales@intelligentmemory.com

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DRAM PRODUCT FAMILY

DDR5

- Different Form Factors: Non-ECC UDIMM, ECC UDIMM, non-ECC SODIMM, ECC SODIMM, RDIMM
- Use original DRAM components to fulfill industrial standards
- Higher Speeds and Greater Bandwidth: Achieve speeds up to 5600MT/s (PC5-44800)
- Lower Power Requirements: Need only 1.1V, better power efficiencies than DDR4
- Capacity: 8GB to 64GB
- JEDEC Standard 1.1V

DDR4

- Different Form Factors: Non-ECC UDIMM, ECC UDIMM, non-ECC SODIMM, ECC SODIMM, RDIMM, mini-RDIMM and ECC mini-UDIMM
- Higher bandwidth performance (up to PC4-25600)
- Capacity: 2GB to 64GB
- PCB Height: Standard, Very Low Profile, Ultra Low Profile
- JEDEC Standard 1.2V
- Operating Temperature: Commercial and Industrial Grade

DDR3

- Different Form Factors: Non-ECC UDIMM, ECC UDIMM, non-ECC SODIMM, ECC SODIMM, LRDIMM, RDIMM, mini-RDIMM and ECC mini-UDIMM
- Higher bandwidth performance (up to PC3-14900)
- Capacity: 1GB to 32GB
- PCB Height: Standard, Very Low Profile, Ultra Low Profile
- JEDEC Standard 1.35V & 1.5V

DDR2

- Different Form Factors: Non-ECC UDIMM, ECC UDIMM, non-ECC SODIMM, ECC SODIMM, RDIMM and Mini-RDIMM
- Higher bandwidth performance (up to PC2-6400)
- Capacity: 512MB to 8GB
- PCB Height: Standard, Very Low Profile
- JEDEC Standard 1.8V

DDR

- Different Form Factors: Non-ECC UDIMM, ECC UDIMM, Non-ECC SODIMM, ECC SODIMM and RDIMM
- Higher bandwidth performance (up to PC-3200)
- Capacity: 256MB to 2GB
- PCB Height: Standard, Very Low Profile
- JEDEC Standard 2.5V

SDRAM

- Different Form Factors: non-ECC UDIMM, ECC UDIMM, non-ECC SODIMM and ECC SODIMM
- Higher bandwidth performance (up to PC-133)
- Capacity: 128MB to 512MB
- PCB Height: Standard
- JEDEC Standard 3.3V

DRAM Modules	LRDIMM	RDIMM	UDIMM	RSODIMM	SODIMM	MINI-RDIMM	MINI-UDIMM
FPM/EDO (3.3V/5V, max: 50ns)			✓ Max: 256MB		✓ Max: 128MB		
SDRAM (3.3V, max: PC-166)			✓✓ Max: 512MB		✓✓ Max: 512MB		
DDR (2.5V, max: PC-3200)		✓ Max: 1GB	✓✓ Max: 1GB		✓✓ Max: 1GB		
DDR2 (1.8V, max: PC2-6400)		✓ Max: 8GB	✓✓ Max: 4GB		✓✓ Max: 4GB	✓✓ Max: 512MB	
DDR3 (1.35V/1.5V, max: PC3-12800)	✓ Max: 32GB	✓✓ Max: 32GB	✓✓ Max: 16GB	✓ Max: 16GB	✓✓ Max: 16GB	✓✓ Max: 16GB	✓✓ Max: 16GB
DDR4 (1.2V, max: PC4-25600)		✓✓ Max: 64GB	✓✓ Max: 32GB		✓✓ Max: 32GB	✓✓ Max: 16GB	✓✓ Max: 32GB
DDR5 (1.1V, max: PC5-44800)		✓ Max: 64GB	✓ Max: 32GB		✓ Max: 32GB		
Features:	<ul style="list-style-type: none"> ✓ ECC or Non-ECC are optional ✓ VLP / ULP (Very Low Profile / Ultra Low Profile) are available ✓ I-Temp is available 						



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