

TAILOR-MADE DRAM MODULES

**WE CONFIGURE
THE PERFECT
DRAM MODULE
FOR YOU**



There are a lot of memory modules out there - and still, you can't find the one with a guaranteed fixed BOM? Or the one that is just right for your application? We can configure just about any module from almost any DRAM component that is currently available on the market. And we guarantee a fixed BOM for the entire lifetime. That's what makes us your Memory Competence Center.

For over 30 years MEMPHIS has configured industrial-grade memory modules. Supporting extended product life cycles and guaranteeing supply-chain stability, MEMPHIS delivers the best memory solutions for high-reliability applications demanding stable, consistent performance. From day one, we have insisted on developing our own PCB design capability to ensure the high standards we are looking for. Most recently we have added completely lead-free family of DRAM modules ranging from DDR1 to DDR5, so customers don't have to rely on RoHS exemptions.

With over 300 JEDEC standardized modules in our catalog and our extensive expertise in designing custom solutions, we offer the best solutions for industrial applications such as POS, kiosks, routers, robotics, embedded systems, medical equipment, telecommunications, servers and many other high-reliability and long-lived end applications.

HIGH-QUALITY DRAM MODULES

In many cases, a fully functional prototype or working sample can be delivered in as little as three weeks.

Product Highlights

- Specified DRAM modules for industrial PC and embedded applications
- Support for all temperature grades (Commercial, Industrial, Automotive)
- Extensive memory component selection from MEMPHIS distribution portfolio and beyond
- JEDEC Standard & Custom Module Design
- State-of-the-Art & Legacy Products
- Best longevity and performance ratio
- Lifetime Warranty

Additional Services

- Testing Scheme Creation
- Conformal Coating
- Customized Serial Presence Detect
- Warehousing
- Controlled BOM (Bill of Materials)
- Change Management
- Product Life Cycle Management
- Build-to-order
- Best price to performance ratio

Support

- Fast response time from 15 offices worldwide
- Expert technical support and consultation
- Drop shipments
- Labeling
- Custom packaging

Industry Affiliations

- Member of JEDEC
- Member of FBDi
- Member of ECIA

Quality Management

- Compliant with RoHS & REACH Directives
- No use of conflict minerals
- ISO9001 and ISO14001 Certified

DRAM Modules	LRDIMM	RDIMM	UDIMM	RSODIMM	SODIMM	MINI-RDIMM	MINI-UDIMM	MIRCO DIMM	SOC DIMM
FPM/EDO (5V/3.3V, max: 50ms)			✓✓ Max: 256MB		✓✓ Max: 128MB				
SDRAM (3.3V, max: PC-133)		✓✓ Max: 2GB	✓✓✓ Max: 512MB		✓✓✓ Max: 256MB			✓ Max: 256MB	✓ Max: 1GB
DDR (2.5V, max: PC-3200)		✓✓ Max: 1GB	✓✓✓✓ Max: 1GB		✓✓✓✓ Max: 1GB			✓ Max: 1GB	✓ Max: 2GB
DDR2 (1.8V, max: PC2-6400)		✓✓ Max: 8GB	✓✓✓✓ Max: 4GB		✓✓✓✓ Max: 4GB	✓✓ Max: 512MB			✓ Max: 2GB
DDR3 (1.5V/1.35V, max: PC3-14900)	✓ 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"> ✓ i-Temperature available ✓ Very Low Profile and Ultra Low Profile available ✓ ECC option available ✓ full RoHS option available ✓ full RoHS option planned for 2024. 								