

UNLIMITED INGENUITY



DDR4 MODULES



IM's DDR4 IMOriginal modules are specifically designed for industrial applications, such as ruggedized telecom and networking environments, which demand high-density memory in various form factors.

In addition to mainstream 8GB and 16GB DDR4 modules, IM offers a variety of high-density options, including 64GB RDIMM in dual-rank x4 components, 32GB VLP RDIMM in single-rank x4 or dual-rank x8 components, and 32GB UDIMM modules available in both VLP and standard heights with ECC options. Towards the end of 2025, Intelligent Memory will also offer the DDR4 module in 128GB capacity. These configurations support diverse application needs. Available module types include UDIMM, VLP ECC UDIMM, SODIMM, and ECC SODIMM, providing versatile solutions across multiple use cases.

VLP height options (18.75mm) are available for our DDR4 RDIMM and ECC UDIMM modules to meet height-restricted environments, allowing for more efficient heat dissipation.

All modules meet JEDEC standards and are designed for long-term, superior performance.



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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KEY FEATURES

IM's DRAM Module lines for more flexibility and customization:

- **IMOriginal** modules which utilize exclusively IM's own quality components
- **IMSelect** modules which can be configured with various third-party ICs

IM's DDR4 High-Density Modules:

Use IM's own brand of DDR4 16Gb components for higher performance, reliability, compatibility and FA/RMA support. **IMSelect** also available upon request.

Increased Capacity:

Not only offered in high-density 128GB, 64GB, & 32GB, but also mainstream densities of 16GB, 8GB, & 4GB

Fixed BOM:

Major components are fixed (e.g. DRAM components, Registered Component, EEPROMs, SPD data contents)

Ownership:

IM designs, manufactures, tests and supports all kinds of technical & after-sales services

Additional Service Options Available:

- Fully RoHS (without exemption)
- Conformal Coating
- Anti-Sulphuration

Sales services:

Flexible order quantities and shipment arrangements

Longevity:

For 7 years+ and long-term support

IMOriginal High-Density DDR4 Modules (using IM's DDR4 16Gb Components)

Module Types	Module PN	DRAM Components PN	Configurations*
RDIMM	IMM8G72D4RDD4AG-B062	IMAG04D4GBBG-062	64GB, 36pcs x4 in 2 ranks, PC4-25600 (3200MT/s)
VLP RDIMM	IMM4G72D4RVS4AG-B062	IMAG04D4GBBG-062	32GB, 18pcs x4 in 1 rank, PC4-25600 (3200MT/s)
VLP RDIMM	IMM4G72D4RVD8AG-B062	IMAG08D4GBBG-062	32GB, 18pcs x8 in 2 ranks, PC4-25600 (3200MT/s)
VLP ECC UDIMM	IMM4G72D4DVD8AG-B062	IMAG08D4GBBG-062	32GB, 18pcs x8 in 2 ranks, PC4-25600 (3200MT/s)
UDIMM	IMM4G64D4DUD8AG-B062	IMAG08D4GBBG-062	32GB, 16pcs x8 in 2 ranks, PC4-25600 (3200MT/s)
UDIMM	IMM4G72D4SOD8AG-B062	IMAG08D4GBBG-062	32GB, 18pcs x8 in 2 ranks, PC4-25600 (3200MT/s)
SODIMM	IMM4G64D4SOD8AG-B062	IMAG08D4GBBG-062	32GB, 16pcs x8 in 2 ranks, PC4-25600 (3200MT/s)

*All modules available in Commercial Temperature grade. For Industrial Temperature grade, please contact IM.



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