



SMART DRAM Memory for Defense Applications

Reliable, Trusted, Proven

Why DRAM Memory?

SMART's DRAM memory products for defense applications are built to withstand the extreme environments military settings demand. They are put through a rigorous mission-critical test process and can be specifically enhanced for protection from extreme temperatures, vibration, moisture, and exposure to severe environmental conditions, making them ideal for military field applications.

SMART's memory modules are offered in a variety of form factors and DRAM technologies. SMART provides long-term product support specifically aligned for defense and industrial applications.

Special features to support defense applications

- Industrial temperature and wide temperature
- Anti-sulfur passive components for environmental protection
- Zepr high reliability option
- Conformal coating for moisture and environmental protection
- 100% high and low temperature testing
- Module retention clips for high shock and vibration applications
- Component underfill for vibration resistance

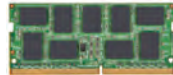


VLP and Standard DIMMs



ULP and VLP Mini-DIMMs

- Small form factor, high density



SO-DIMM



Module-in-a-Package (MIP)

- 1/5th the space of SO-DIMM
- Soldered down for stabilization

Technology	Module Type	Densities
DDR5	VLP RDIMM	Up to 64GB
	VLP ECC UDIMM	Up to 32GB
	ECC and non-ECC SODIMM	Up to 32GB
DDR4	VLP RDIMM	Up to 64GB
	VLP or ULP Mini-DIMM	Up to 32GB
	ECC and non-ECC SODIMM	Up to 32GB
DDR3	Module-in-a-Package (MIP)	Up to 16GB
	ECC and non-ECC SODIMM	Up to 16GB
	Module-in-a-Package (MIP)	Up to 4GB



For more information, please visit: www.smartm.com

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