

DRAM Modules - DDR3

DDR3 is the Double Data Rate SDRAM's third generation. It reduces power consumption even further and represents a technology mostly used in today's PC architecture-based systems.

In addition to DDR1 and DDR2, Intelligent Memory also provides unique modules (besides standard JEDEC versions) for DDR3 users. They are based on components with embedded ECC functionality and can turn a non-ECC module (64Bit wide data bus) into a device with the reliability of a typical ECC-module.

For users needing extensive working memory space, we offer high-density 16 GB UDIMM and SO-DIMM modules.



DDR3 Modules

DIMM Type	Form Factor	Capacity	Maximum Speed	Temperature*	Height	Component Data Width
LRDIMM	240pin DIMM	32GB	PC3-14900 (1866MT/s)	Commerical	1.19"	x4
ULP RDIMM	240pin ULP DIMM	16GB, 8GB, 4GB, 2GB	PC3-12800 (1600MT/s)	Commerical	0.708"	x8
VLP RDIMM	240pin VLP DIMM	8GB, 4GB, 2GB	PC3-14900 (1866MT/s)	Commerical	0.738"	x4, x8
RDIMM	240pin DIMM	32GB, 16GB, 8GB, 4GB, 2GB	PC3-14900 (1866MT/s)	Commerical	1.18"	x4, x8
VLP ECC UDIMM	240pin VLP DIMM	16GB, 8GB, 4GB, 2GB, 1GB	PC3-12800 (1600MT/s)	Commerical, Industrial	0.738"	x8
ECC UDIMM	240pin DIMM	16GB, 8GB, 4GB, 2GB, 1GB	PC3-14900 (1866MT/s)	Commerical, Industrial	1.18"	x8
VLP Non-ECC UDIMM	240pin VLP DIMM	16GB, 8GB, 4GB, 2GB, 1GB	PC3-12800 (1600MT/s)	Commerical, Industrial	0.738"	x8
Non-ECC UDIMM	240pin DIMM	16GB, 8GB, 4GB, 2GB, 1GB	PC3-14900 (1866MT/s)	Commerical, Industrial	1.18"	x8, x16
RSODIMM	204pin SODIMM	16GB, 8GB, 4GB	PC3-12800 (1600MT/s)	Commerical	1.18"	x8
ULP ECC USODIMM	204pin ULP SODIMM	8GB, 4GB, 2GB, 1GB	PC3-12800 (1600MT/s)	Commerical, Industrial	0.738"	x8
ECC USODIMM	204pin SODIMM	16GB, 8GB, 4GB, 2GB, 1GB	PC3-12800 (1600MT/s)	Commerical, Industrial	1.18"	x8

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Non-ECC USODIMM	204pin SODIMM	16GB, 8GB, 4GB, 2GB, 1GB	PC3-14900 (1866MT/s)	Commerical, Industrial	1.1 8"	x8, x16
ULP Mini- RDIMM	244pin ULP MiniDIMM	16GB, 8GB	PC3-12800 (1600MT/s)	Commerical	0.7 "	x8
VLP Mini- RDIMM	244pin VLP MiniDIMM	8GB, 4GB, 2GB	PC3-12800 (1600MT/s)	Commerical	0.7 38"	x8
Mini-RDIMM	244pin MiniDIMM	16GB, 8GB, 4GB, 2GB	PC3-10600 (1333MT/s)	Commerical	1.1 8"	x8
ULP ECC Mini- UDIMM	244pin ULP MiniDIMM	16GB, 8GB, 4GB, 2GB	PC3-12800 (1600MT/s)	Commerical, Industrial	0.7 "	x8
ECC Mini- UDIMM	244pin MiniDIMM	16GB, 8GB, 4GB, 2GB	PC3-12800 (1600MT/s)	Commerical, Industrial	1.1 8"	x8

*Commercial = 0°C to +95°C / Industrial = -40°C to +95°C / High = -40°C to +105°C

KEY FEATURES

- 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
- Environmental compliance, longevity and assembly service available
- Fully tested in applications environment for stability