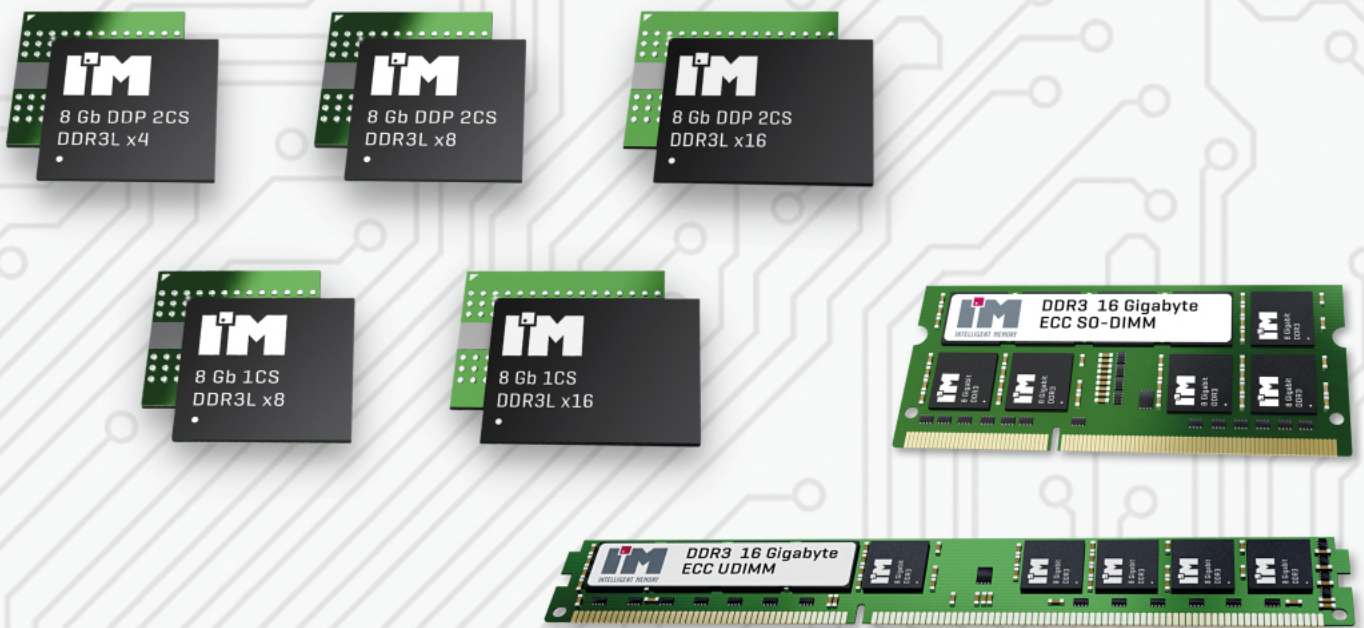


DDR3 HIGH DENSITY

8Gb COMPONENTS & 16GB MODULES



To cope with the challenge of achieving double memory density without the necessity of two separate sets of control wires, IM has developed a unique way to manufacture 8Gb DDR3 single chip select components with existing DRAM process technologies. From the application's point of view, they will see these components work like a monolithic device. IM's 8Gb single chip select components are compatible with the JEDEC pinout of monolithic devices and provide the simplest path to upgrade applications using DDR3 DRAM.

Intelligent Memory not only offers DDR3 8Gb single chip select components but also DDR3 8Gb two chip select components with the full range of DDR3 8Gb product lines. Besides components, IM introduced the very first 16GB unbuffered DIMM and SO-DIMM memory modules, based on IM's 8Gb single chip select components. The modules follow the 2 ranks JEDEC specification.

DDR3 HIGH DENSITY 8Gb COMPONENTS & 16GB MODULES

Key Features

- Highest density DDR3 components with 1-CS on the market
- Available in x4, x8, and x16 organizations with 1-CS and 2-CS
- “Plug-and-Play” compatible with conventional JEDEC standard DRAMs
- World’s first 16GB unbuffered DIMMs and SO-DIMMs with ECC optional feature
- Able to support speeds up to DDR3L-2133 (components) and PC3-14900 (unbuffered DIMMs and SO-DIMMs)
- Lead balls version is supported to ensure long-term reliability
- Longevity for more than 5 years

Product List DDR3 8Gigabit 1-CS Components

Part No.	Density	Org.	Voltage	Package	Speed	Temperature
IM8G08D3FFBG-(125/107/093)(I)	8Gbit 1-CS	1Gx8	1.35V (1.5V)	FBGA 78	1600/1866/2133	Comm./Ind.
IM8G16D3FFBG-(125/107/093)(I)	8Gbit 1-CS	512Mx16	1.35V (1.5V)	FBGA 96	1600/1866/2133	Comm./Ind.

Product List DDR3 8Gigabit 2-CS Components

Part No.	Density	Org.	Voltage	Package	Speed	Temperature
IM8G04D3FFDG-(125/107/093)(I)	8Gbit 2-CS	2Gx4	1.35V (1.5V)	FBGA 78	1600/1866/2133	Comm./Ind.
IM8G08D3FFDG-(125/107/093)(I)	8Gbit 2-CS	1Gx8	1.35V (1.5V)	FBGA 96	1600/1866/2133	Comm./Ind.
IM8G16D3FFDG-(125/107/093)(I)	8Gbit 2-CS	512Mx16	1.35V (1.5V)	FBGA 96	1600/1866/2133	Comm./Ind.

Product List DDR3 16Gigabyte SO-DIMM Memory Modules

Part No.	Density	Org.	Voltage	Pin-Count	Speed	Temperature
IMM2G64D3LSOD8AG-F(125/107)(I)	16GB SO-DIMM	2Gx64	1.35V (1.5V)	204 Pin	1600/1866	Comm./Ind.
IMM2G72D3LSOD8AG-F(125/107)(I)	16GB ECC SO-DIMM	2Gx72	1.35V (1.5V)	204 Pin	1600/1866	Comm./Ind.

Product List DDR3 16Gigabyte UDIMM Memory Modules

Part No.	Density	Org.	Voltage	Pin-Count	Speed	Temperature
IMM2G64D3LDUD8AG-F(125/107)(I)	16GB UDIMM	2Gx64	1.35V (1.5V)	240 Pin	1600/1866	Comm./Ind.
IMM2G72D3LDUD8AG-F(125/107)(I)	16GB ECC UDIMM	2Gx72	1.35V (1.5V)	240 Pin	1600/1866	Comm./Ind.



For more information and to request samples, please visit www.intelligentmemory.com.
 You may also contact our sales team directly at sales@intelligentmemory.com.