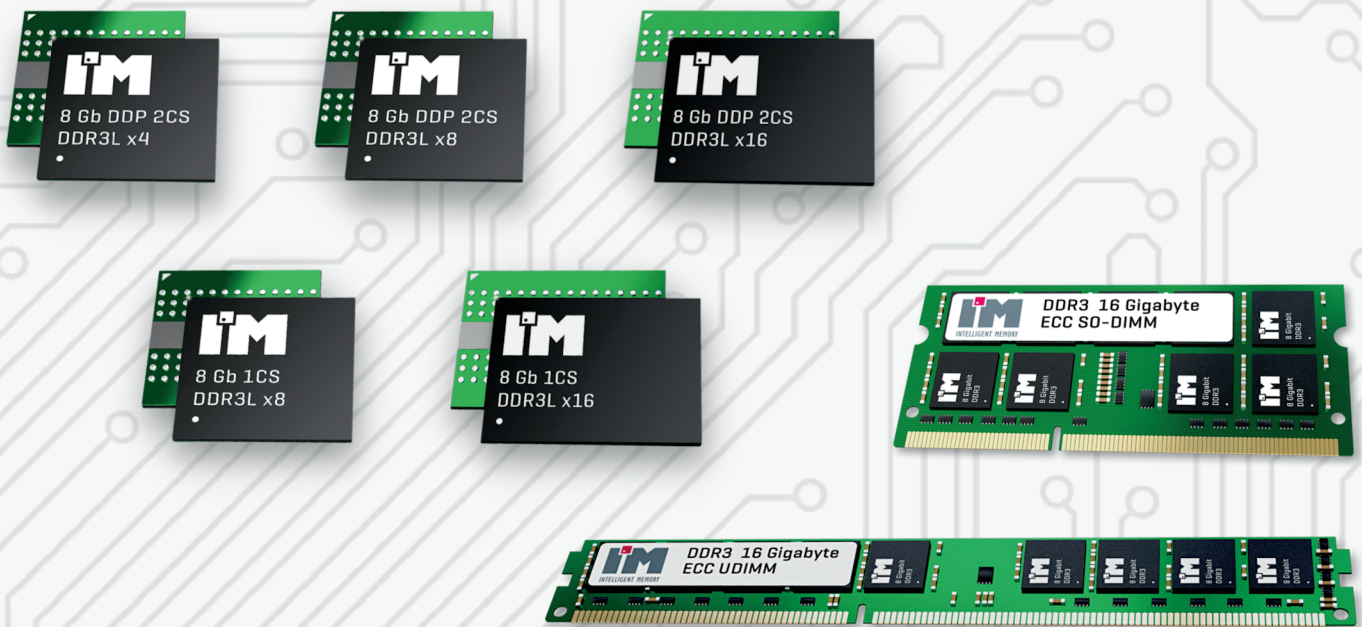


DDR3 HIGH DENSITY

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 8 Gigabit 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 8 Gbit single chip select components are compatible with the JEDEC pinout of monolithic devices and provide the simplest path to upgrade applications using DDR3 DRAM.

IM not only offers DDR3 8 Gbit single chip select components but also DDR3 8 Gbit two chip select components with the full range of DDR3 8Gb product lines. Besides components, IM offers the very first 16 Gigabyte unbuffered DIMMs and SO-DIMMs memory modules, based on the IM 8 Gb 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 16 Gigabyte unbuffered DIMMs and SO-DIMMs with optional ECC feature
- Able to support speed up to DDR3L-2133 (components) and PC3-14900 (unbuffered DIMMs and SO-DIMMs)
- Leaded balls version is supported to ensure the 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 or to request samples, please visit us at www.intelligentmemory.com. You may also contact our sales team directly at sales@intelligentmemory.com.