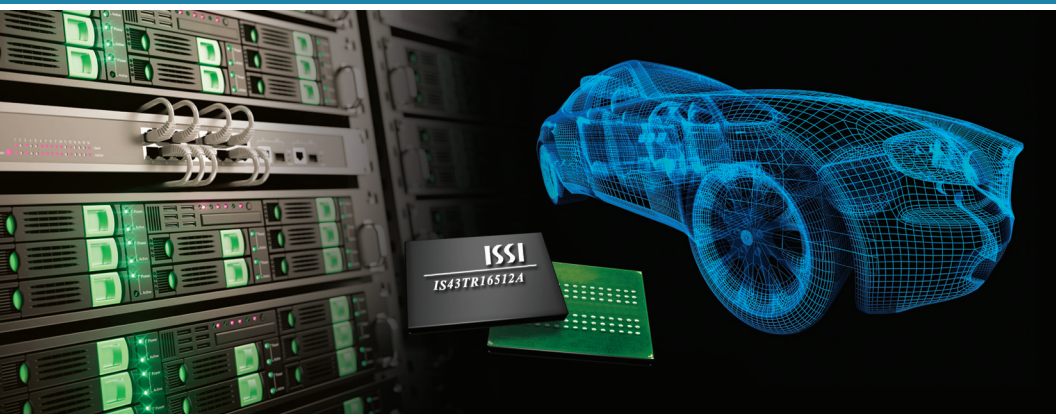




DRAM



SDRAM

DDR DRAM

DDR2 DRAM

DDR3 and DDR3L DRAM

Mobile DRAM

Mobile DDR DRAM

LPDDR2 DRAM



► Applications:

- Automotive Multimedia, Telematics, and ADAS
- Industrial Test and Measurement
- Medical Imaging & Analysis
- Portable Medical Devices
- Network Storage
- Security
- Smart Meters and Energy Management

► SDRAM (IS42Sxxx)

- Density: 16Mb/64Mb/128MB/256Mb/512Mb
- Voltage: 3.3V
- Configurations: x8, x16, x32
- Clock Frequency: Up to 200MHz
- Packages: BGA, TSOP

► DDR DRAM (IS43Rxxx)

- Density: 128Mb/256Mb/512Mb
- Voltage: 2.5V
- Configurations: x8, x16, x32
- Clock Frequency: Up to 200MHz
- Packages: BGA, TSOP

► DDR2 DRAM (IS43DRxxx)

- Density: 256Mb/512Mb/1Gb/2Gb
- Voltage: 1.8V
- Configurations: x8, x16, x32
- Clock Frequency: Up to 400MHz
- Package: BGA

► **DDR3 and DDR3L DRAM [IS43TRxxx]**

- Density: 1Gb/2Gb/4Gb/8Gb
- Voltage: 1.5V [DDR3], 1.35V [DDR3L]
- Configurations: x8, x16
- Clock Frequency: Up to 1066MHz
- Package: BGA

► **Mobile SDRAM [IS42SM/RM/VMxxx]**

- Density: 32Mb/64Mb/128Mb/256Mb/512Mb
- Voltage: 3.3V/2.5V/1.8V
- Configurations: x16, x32
- Clock Frequency: Up to 200MHz
- Package: BGA

► **Mobile DDR SDRAM [IS43LRxxx]**

- Density: 32Mb/64Mb/128Mb/256Mb/512Mb/1Gb/2Gb
- Voltage: 1.8V
- Configurations: x16, x32
- Clock Frequency: Up to 200MHz
- Packages: BGA, PoP

► **LPDDR2 [IS43LDxxx]**

- Density: 256Mb/512Mb/1Gb
- Voltage: 1.2V/1.8V
- Configurations: x16, x32
- Clock Frequency: Up to 533MHz
- Packages: BGA, PoP

8Gb DDR3 SDRAM

The 8Gb DDR3 product is the IS43TR16512A, which operates at 1.5V, and the IS43TR16512AL, which operates at 1.35V. Both are organized as 512Mx16 and packaged in a 96-ball BGA. Today, DDR3 is widely implemented in various kinds of communication systems: base stations, optical transport, routers and switches. The high density of this product helps the efficiency in packet buffering and storing large tables, and in the process, reduces the number of discrete components required in the networking line card. Customers are able to realize the benefits of improved power, signal integrity and routability. These new 8Gb DDR3 and DDR3L devices also have applications in automotive, industrial and medical systems.



About ISSI

ISSI is a technology leader that designs, develops, and markets high performance integrated circuits for the following key markets: (i) automotive, (ii) communications, (iii) digital consumer, and (iv) industrial/medical/military. Our primary products are high speed and low power SRAM and low and medium density DRAM. The Company also designs and markets NOR flash products and high performance analog and mixed signal integrated circuits. We target high-growth markets with our cost-effective, high-quality semiconductor products and seek to build long-term relationships with our customers. We have been a committed long-term supplier of memory products, including lower density and smaller volume products, even through periods of tight manufacturing capacity.

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