Long-Term Support
World Class Quality

SRAM • DRAM • Flash


Automotive


Communications


Industrial & Medical

A Broad DRAM Solution

DRAM	16Mb	32Mb	64Mb	128Mb	256Mb	512Mb	1Gb	2Gb	4Gb	8Gb	16Gb
EDO/FP (3.3V)	☑										
SDRAM (3.3V)	☑		☑	☑	☑	☑					
DDR				☑	☑	☑					
DDR2					☑	☑	☑	☑			
DDR3/DDR3L							☑ ECC	☑	☑ ECC	☑ ECC	☑
DDR4									☑	☑	☑
Mobile DRAM	**16Mb**	**32Mb**	**64Mb**	**128Mb**	**256Mb**	**512Mb**	**1Gb**	**2Gb**	**4Gb**	**8Gb**	**16Gb**
Mobile SDRAM (1.8V/2.5V/3.3V)		☑	☑	☑	☑	☑					
LPDDR		☑	☑	☑	☑	☑	☑	☑			
LPDDR2					☑	☑	☑M	☑M	☑M	☑	
LPDDR4 (1.1V), LPDDR4X (0.6V)								☑M ECC	☑M ECC	☑M ECC	☑
Specialty DRAM	**288Mb**	**576Mb**	**1Gb**	**2Gb**							
RLDRAM 2	☑	☑	☑								
RLDRAM 3		☑	☑	☑							

Complete SRAM Solution

Asynchronous SRAM/ Pseudo SRAM	64Kb	256Kb	512Kb	1Mb	2Mb	3Mb	4Mb	8Mb	16Mb	32Mb	64Mb	
5V	☑	☑	☑	☑			☑	☑				
High Speed Asynchronous		☑	☑	☑ ECC	☑ ECC	☑	☑ ECC	☑ ECC	☑ ECC	☑		
Ultra Low Power		☑		☑	☑		☑ ECC	☑ ECC	☑			
Pseudo SRAM								☑	☑	☑	☑	
Low Pin Count	**512Kb**	**1Mb**	**2Mb**	**4Mb**	**8Mb**	**16Mb**	**32Mb**	**64Mb**	**128Mb**	**256Mb**	**512Mb**	**1Gb**
Serial SRAM	☑	☑	☑	☑								
Serial/QUAD RAM(SPI/QPI)					☑ ECC	☑ ECC	☑	☑	☑			
HyperRAM							☑ ECC	☑ ECC	☑ ECC	☑	☑	☑
OctalRAM							☑ ECC	☑ ECC	☑ ECC	☑	☑	☑
Muxed/Latch Async				☑	☑	☑						
Synchronous SRAM	**2Mb**	**4Mb**	**8Mb**	**16Mb**	**36Mb**	**72Mb**	**144Mb**					
Standard/No-Wait(ZBT) Synchronous	☑	☑ ECC	☑ ECC	☑	☑	☑						
QUAD/DDRII/QUADP/DDRIIP (Compatible to QDR-II™/ QDR-II+™)				☑	☑	☑	☑					

Industrial & Automotive Temperature Grade, Long Term Support, Leaded or RoHS (Lead Free)

STATUS ☑ Production ☑ Sampling ☑ Roadmap ☑ Under Consideration

ECC : On-chip Error Correcting Code is an available option **M** : MCP may be an option (DRAM + Flash)

Contact: dram@issi.com • sram@issi.com • flash@issi.com • mcp@issi.com
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ISSI Long-Term Support World Class Quality

Complete Memory Solutions for the Embedded Market

A Broad NOR Flash and MCP Solution

SPI/QSPI (Serial NOR)		512Kb	1Mb	2Mb	4Mb	8Mb	16Mb	32Mb	64Mb	128Mb	256Mb	512Mb	1Gb	2Gb
2.5/3V		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑ ECC	☑ ECC	☑ ECC	☑ ECC
1.8V		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑ ECC	☑ ECC	☑ ECC	☑ ECC

1.2V and Wide I/O 1.5V - 3.6V Serial Flash products under development

Twin Quad SPI (2 CE)				256Mb	512Mb	
3V				☑	☑	
1.8V				☑	☑	

Parallel Flash (NOR)	32Mb	64Mb	128Mb	256Mb	512Mb	1Gb
3V w/ VIO = 1.65-3.6V	☑	☑	☑	☑	☑	☑

xSPI (Octal Flash)	32Mb 64Mb	128Mb	256Mb	512Mb	1Gb	2Gb
3V	☑	☑	☑	☑	☑	☑
1.8V	☑	☑	☑	☑	☑	☑

MCP	128Mb+ 128Mb	128Mb+ 256Mb	256Mb+ 256Mb	256Mb+ 512Mb	512Mb+ 512Mb
OctalRAM + OctalFlash	☑	☑	☑	☑	☑
HyperRAM + OctalFlash	☑	☑	☑	☑	☑

A Broad NAND and Managed NAND Portfolio

SPI NAND	1Gb	2Gb	4Gb	8Gb		
3V/1.8V	☑ 1bit ECC	☑ 1bit ECC	☑ 8bit ECC	☑ 8bit ECC		

SLC NAND	1Gb	2Gb	4Gb	8Gb	16Gb	
3V/1.8V; [x8 & x16]	☑ 1 or 4bit ECC	☑ 1 or 4bit ECC	☑ 1 or 4 or 8bit ECC	☑ 8bit ECC	☑ 8bit ECC	

eMMC 5.0/5.1	8GB	16GB	32GB	64GB	128GB	
3V/1.8V; [100 & 153 BGA]	☑	☑	☑	☑	☑	

UFS 2.1/2.2/3.1				64GB	128GB	256GB
3V/1.8V; [153 BGA]				☑	☑	☑

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Scan for Product Selector Guide

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