



Long-Term Support
World Class Quality

SRAM • DRAM • Flash • Analog & Mixed Signal

Memory Products
with ECC



DRAM

DRAM	1Gb	2Gb	4Gb	8Gb
1.35V & 1.5V DDR3/DDR3L	<input checked="" type="checkbox"/> ECC	<input checked="" type="checkbox"/> ECC	<input checked="" type="checkbox"/> ECC	<input checked="" type="checkbox"/> ECC
Mobile DRAM		2Gb	4Gb	8Gb
1.1V [1.8V] LPDDR4		<input checked="" type="checkbox"/> ECC	<input checked="" type="checkbox"/> ECC	<input checked="" type="checkbox"/> ECC



Flash

SPI/QPI	128Mb	256Mb			
	<input checked="" type="checkbox"/> ECC	<input checked="" type="checkbox"/> ECC			
Serial SLC NAND	512Mb	1Gb	2Gb	4Gb	8Gb
3V/1.8V	<input checked="" type="checkbox"/> 1bit ECC	<input checked="" type="checkbox"/> 1bit ECC	<input checked="" type="checkbox"/> 1bit ECC	<input checked="" type="checkbox"/> 1bit ECC	<input checked="" type="checkbox"/> 1bit ECC
SLC NAND		1Gb	2Gb	4Gb	8Gb
3V/1.8V; x8/x16		<input checked="" type="checkbox"/> 1 or 4bit ECC	<input checked="" type="checkbox"/> 1 or 4bit ECC	<input checked="" type="checkbox"/> 1 or 4bit ECC	<input checked="" type="checkbox"/> 4bit ECC



SRAM

Asynchronous SRAM	1Mb	2Mb	4Mb	8Mb	16Mb
High Speed Asynchronous	<input checked="" type="checkbox"/> ECC	<input checked="" type="checkbox"/> ECC	<input checked="" type="checkbox"/> ECC	<input checked="" type="checkbox"/> ECC	<input checked="" type="checkbox"/> ECC
Ultra Low Power			<input checked="" type="checkbox"/> ECC	<input checked="" type="checkbox"/> ECC	
Synchronous SRAM			4Mb		
Standard/No-Wait[ZBT] Synchronous			<input checked="" type="checkbox"/> ECC		

Industrial/Automotive Temperature, Long Term Support

STATUS Production Planned Under Consideration

On-chip Error Correcting Code (ECC)

ISSI memory with built-in ECC [Error Correcting Code] is backward compatible with standard memory. These products offer the advantages of greatly enhancing data robustness and quality, but simplifying system design, saving power, and reducing the memory footprint on the board. It is a good fit for hi-rel systems. Safety is especially important in many applications in the automotive electronics segment, and by using ISSI memory with on-chip ECC, it helps automotive system designers to achieve the functional safety requirements defined by ISO 26262.