

## DRAM Product Update

# DRAM Component Lineup

DRAM Component	64Mb	128Mb	256Mb	512Mb	1Gb	2Gb	4Gb	8Gb
SDRAM (3.3V)	✓✓	✓✓	✓✓✓	✓✓✓				
DDR (2.5V)			✓✓	✓✓	✓✓			
DDR2 (1.8V)				✓	✓✓	✓✓		
DDR3 (1.35V/1.5V)					✓✓	✓	✓	✓✓
DDR4 (1.2V)							✓	✓
LPDDR4 (1.1V)							✓	✓
Features:	<ul style="list-style-type: none"> <li>✓ Commercial &amp; Industrial Temperature Grade, Leaded balls package option is possible</li> <li>✓ x4 configuration available</li> <li>✓ ECC - On-chip ECC option available (AEC-Q100 also available)</li> <li>✓ x32 configuration and/or BGA package available</li> </ul>							

## DRAM Module Lineup

DRAM Module	LRDIMM	RDIMM	UDIMM	RSODIMM	SODIMM	Mini-RDIMM	Mini-UDIMM
FPM/EDO (3.3V/5V, max: 50ns)			✓ Max: 256MB		✓ Max: 128MB		
SDRAM (3.3V, max: PC-166)			✓✓ Max: 512MB		✓✓ Max: 512MB		
DDR (2.5V, max: PC-3200)		✓ Max: 1GB	✓✓ Max: 1GB		✓✓ Max: 1GB		
DDR2 (1.8V, max: PC2-6400)		✓ Max: 8GB	✓✓ Max: 4GB		✓✓ Max: 4GB	✓✓ Max: 512MB	
DDR3 (1.35V/1.5V, max: PC3-12800)	✓ Max: 32GB	✓✓ Max: 32GB	✓✓✓ Max: 16GB	✓ Max: 16GB	✓✓✓ Max: 16GB	✓✓ Max: 16GB	✓✓ Max: 16GB
DDR4 (1.2V, max: PC4-25600)		✓✓ Max: 64GB	✓✓✓ Max: 32GB		✓✓✓ Max: 32GB	✓✓ Max: 16GB	✓✓ Max: 32GB
Features:	<ul style="list-style-type: none"> <li>✓ ECC/NECC is both available</li> <li>✓✓ VLP / ULP (Very Low Profile / Ultra Low Profile) is available</li> <li>✓ I-temp is available</li> </ul>						