



ATP DDR2 DRAM Solutions

Intense Performance for Intense Workloads



DDR2 supersedes the original DDR specifications with data transfer speeds up to 800 MT/s. The memory clock speed of the industrial DDR2 SDRAM was reduced by half compared to first-generation DDR, enabling DDR2 to effectively operate up to 2X the DDR bus speed.

Apart from faster operation, DDR2 also consumes less power than its predecessor. With its operating voltage reduced from 2.5V to 1.8V, DDR2 cuts overall power consumption.

ATP DDR2 modules are available in several form factors suitable for diverse applications, including 240-pin full-size UDIMMs, 200-pin SO-DIMMs are also available for compact systems. These form factors are not interchangeable with DDR, DDR3 or DDR4.

Key Features

- Density: 256 MB to 4 GB
- Chipkill support

Applications

- Networking systems
- Telecommunication
- Gaming
- Healthcare
- Industrial PCs



Industrial
Temperature



Test During
Burn-In (TDBI)



Complete Drive Test



Thicker Gold Finger

Specifications

DDR2			
DIMM Type	ECC UDIMM	Non-ECC UDIMM	Non-ECC SO-DIMM
Density	1 GB to 2 GB	1 GB to 2 GB	256 MB / 1 GB to 4 GB
Speed up to (MT/s)	800	800	800
PCB Height	Low Profile	Low Profile	Low Profile
Operating Temperature	0°C to 85°C / -40°C to 95°C	0°C to 85°C / -40°C to 95°C	0°C to 85°C / -40°C to 95°C

DDR2		
Module Type	UDIMM	SO-DIMM
Function	Unbuffered ECC / Unbuffered Non-ECC	Unbuffered Non-ECC
Density	1 GB / 2 GB	256 MB / 1 GB / 2 GB / 4 GB
Frequency	800 MHz	800 MHz
PCB Height	1.18"	1.18"
Number of Pins	240	200



ATP Global Footprint

To learn more about this product, contact your ATP Representative.

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