



# 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 DIMMs, 200-pin SO-DIMMs, and 244-pin Mini-DIMMs. Very Low Profile (VLP) DIMMs and Mini-UDIMM options 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



### Specifications

DDR2	
Category	UDIMM / UDIMM ECC / SO-DIMM / Mini-UDIMM ECC
Speed (MT/s)	800 / 667 / 533 / 400
PCB Height	<ul style="list-style-type: none"> <li>▪ Low Profile</li> <li>▪ Very Low Profile (VLP) options (VLP: 0.72"-0.74" height)</li> </ul>
Density	256 MB to 4 GB

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

### ATP Global Footprint

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

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