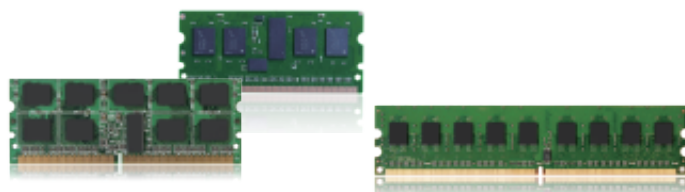


ATP DDR2 DRAM Solutions

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 8 GB
- Chipkill support
- Micron Continuity Program

Applications

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



Specifications

DDR2					
Type	RDIMM	UDIMM	ECC UDIMM	SO-RDIMM	SODIMM
Data Rate Speed (MT/s)	800	800	800	800	800
	667	667	667	667	667
	533	533	533	533	533
	400	400	400	400	400
Density	1 GB / 2 GB / 4 GB / 8 GB	512M / 1GB / 2GB / 4 GB	1 GB / 2 GB / 4 GB	512 M / 1 GB / 2 GB	256 M / 512 M / 1 GB / 2 GB / 4 GB
Voltage	1.8V				
PCB Height	<ul style="list-style-type: none"> ▪ Low profile ▪ VLP options: 0.74" and below height 	<ul style="list-style-type: none"> ▪ Low profile 	<ul style="list-style-type: none"> ▪ Low profile 	<ul style="list-style-type: none"> ▪ Low profile 	<ul style="list-style-type: none"> ▪ Low profile
Working Temperature	0-85°C / -40-95°C				
Golden Finger	30µ				

DDR2			
Type	ECC SODIMM	Mini-RDIMM	ECC Mini-UDIMM
Data Rate Speed (MT/s)	800	800	800
	667	667	667
	533	533	533
	400	400	400
Density	1 GB / 2 GB	512 M / 1 GB / 2 GB / 4 GB	512 M / 1 GB / 2 GB
Voltage	1.8V		
PCB Height	<ul style="list-style-type: none"> ▪ Low profile 	<ul style="list-style-type: none"> ▪ Low profile ▪ VLP options: 0.74" and below height 	<ul style="list-style-type: none"> ▪ Low profile
Working Temperature	0-85°C / -40-95°C		
Golden Finger	30µ		

ATP Global Footprint

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

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