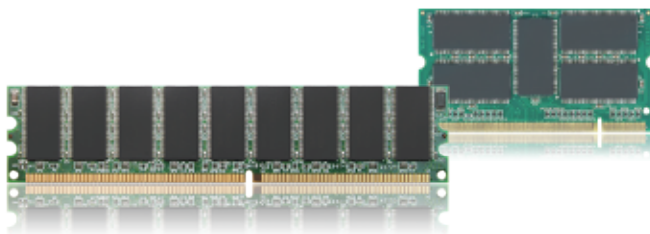


ATP DDR1

DRAM Solutions

Intense Performance for Intense Workloads



Double Data Rate (DDR), also known as DDR1, is the second generation of Synchronous DRAM (SDRAM). As its name implies, double data rate refers to its ability to read and write data on both the rising and falling of the system clock to achieve nearly twice the bandwidth of single data rate (SDR) SDRAM.

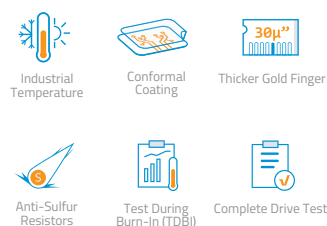
JEDEC developed the DDR SDRAM specification (JESD79) in 2000 and was an advancement over SDRAM technology with increased memory bandwidth and performance. ATP DDR1 modules have 266/333/400 MT/s transfer speeds and run at 2.5V, significantly cutting power consumption compared with SDRAM's 3.3V.

Key Features

- Chipkill support
- Legacy system support

Applications

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



Specifications

DDR*	
Category	UDIMM / UDIMM ECC / SO-DIMM
Speed (MT/s)	400 / 333 / 266
PCB Height	Low Profile

* Available on a project basis.

DDR				
Module Type	SO-DIMM	SO-DIMM (Industrial Grade)	UDIMM	SO-DIMM
Function	Unbuffered Non-ECC	Unbuffered Non-ECC	Unbuffered ECC / Unbuffered Non ECC	Unbuffered ECC
Frequency	400 MHz			
PCB Height	1.25"			
Capacity	128 MB / 256 MB / 512 MB / 1 GB	256 MB / 512 MB	256 MB / 512 MB	256 MB / 512 MB / 1 GB
Number of Pins	200	200	184	200
Solutions	Standard	Standard	Build To Order (BTO)	Build To Order (BTO)

ATP Global Footprint

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

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