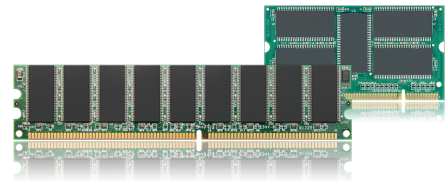




ATP DDR1 DRAM Solutions

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 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



Industrial Temperature



Test During Burn-In (TDBI)



Complete Drive Test



Thicker Gold Finger

Specifications

DDR				
DIMM Type	ECC UDIMM	Non-ECC UDIMM	ECC SO-DIMM	Non-ECC SO-DIMM
Density	512 MB	256 MB	256 MB to 512 MB / 1 GB	128 MB to 512 MB / 1 GB
Speed up to (MT/s)	400	400	400	400
PCB Height	Low Profile	Low Profile	Low Profile	Low Profile
Operating Temperature	0°C to 85°C	0°C to 85°C	0°C to 85°C	0°C to 85°C / -40°C to 95°C

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
Density	128 MB / 256 MB / 512 MB / 1 GB	256 MB / 512 MB	256 MB / 512 MB	256 MB / 512 MB / 1 GB
Frequency	400 MHz	400 MHz	400 MHz	400 MHz
PCB Height	1.25"	1.25"	1.25"	1.25"
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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