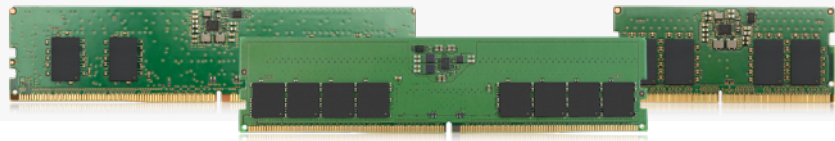




DDR5

The Global Leader in Specialized Storage and Memory Solutions



KEY FEATURES

- Data transfer rates up to 7,200 MT/s* for high memory bandwidth
 - Available operating temperatures: 0°C to 85°C or -40°C to 85°C
 - Form factors: RDIMM, ECC and Non-ECC CSO-DIMM, CUDIMM
 - Supports Very Low Profile (VLP) configurations**
 - Integrated Client Clock Driver (CKD) enhances signal integrity
 - Customization options**: thicker golden finger, anti-sulfur protection, PCB chamfer, SPD write protect available upon request
- * Available in 2H 2026
** May vary by product and project support

ATP's DDR5 solutions outperform DDR4 in every way, delivering faster performance, higher memory bandwidth, higher densities, and improved power efficiency. This new-generation DRAM specification meets the growing memory needs of present and future critical computing applications.

Both DDR4 and DDR5 DIMMs have 288 pins, but DDR5 can transmit data faster with its higher bandwidth.

DDR5 modules will not fit in DDR4 sockets due to different alignment keys and pinouts that accommodate the new features.

Technologies	30μ" Golden Finger	ATP TDBI	Wide Temperature	Anti-Sulfur Resistors	Conformal Coating	PCB Chamfer
RDIMM	●	●	▲	▲	-	▲
ECC CUDIMM	●	●	▲	▲	▲	▲
Non-ECC CUDIMM	-	●	▲	▲	▲	▲
ECC CSO-DIMM	●	●	▲	▲	▲	▲
Non-ECC CSO-DIMM	-	●	▲	▲	▲	▲
RDIMM	●	●	▲	▲	-	▲
ECC UDIMM	●	●	▲	▲	▲	▲
Non-ECC UDIMM	-	●	▲	▲	▲	▲
ECC SO-DIMM	●	●	▲	▲	▲	▲
Non-ECC SO-DIMM	-	●	▲	▲	▲	▲

Specifications

DDR5									
DIMM Type	RDIMM	ECC UDIMM	ECC CUDIMM	Non-ECC UDIMM	Non-ECC CUDIMM	ECC SO-DIMM	ECC CSO-DIMM	Non-ECC SO-DIMM	Non-ECC CSO-DIMM
Density	16 GB to 256 GB	16 GB to 64 GB		8 GB to 64 GB		16 GB to 64 GB		8 GB to 64 GB	
Speed up to (MT/s)*	5600 / 7200*	5600	7200*	5600	7200*	5600	7200*	5600	7200*
PCB Height	Low profile / VLP**	Low profile / VLP**		Low profile / VLP**		Low profile		Low profile	
Operating Temperature	0°C to 85°C / -40°C to 85°C								
							*Available in 2H 2025	** VLP: 0.74"	

*Available in 2H 20256 ** VLP: 0.74"



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WE BUILD WITH YOU

Product spec and its related information are subject to change without advance notice.
Please refer to www.atpinc.com for latest information

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