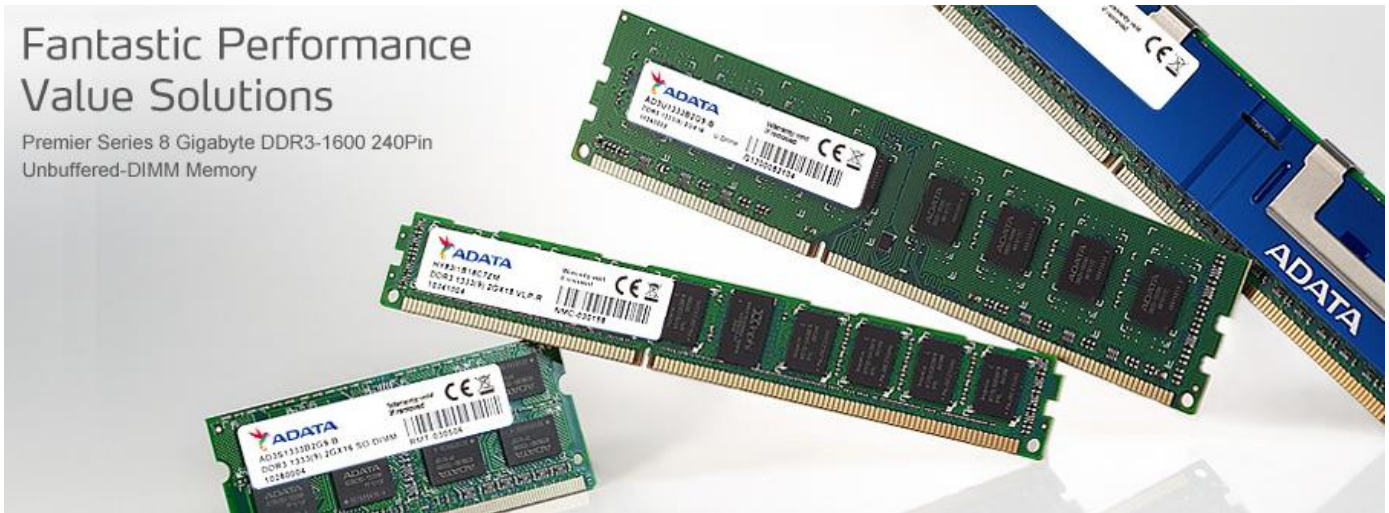# Wide DDR3 choice: U-DIMM/VLP, U-DIMM/R-DIMM/VLP, R-DIMM/SO-DIMM

Premier Series DDR3 1.5V modules are offered in multiple form factors to accommodate desktops, notebooks, servers, and data centers. From standard U-DIMM to registered memory (R-DIMM) and from very low profile modules (VLP) to small outline modules (SO-DIMM), each product implements cutting edge technology that enables remarkable reliability, stability, and longevity. All modules are produced in strict compliance with JEDEC and RoHS design and production standards, ensuring compatibility with all major computing platforms and delivering environmentally-friendly products. Every ADATA memory module includes a lifetime warranty, protecting your investment.

Fantastic Performance Value Solutions

Premier Series 8 Gigabyte DDR3-1600 240Pin Unbuffered-DIMM Memory

Features

- High speed up to 1600MHz
- Transfer bandwidths up to 12.8GB/s
- 6-layer PCB provides improved signal transfer and system stability

U-DIMM

VLP U-DIMM

R-DIMM

VLP R-DIMM

SO-DIMM

Specifications

Type	U-DIMM	VLP U-DIMM	R-DIMM	VLP R-DIMM	SO-DIMM
Form factor	Standard (1.18" height)	Standard (1.18" height)	Standard (1.18" height)	Very low profile (0.7" height)	Standard (1.18" height)
Suitable for	Desktop	Desktop / Thin client	Enterprise servers / data centers	Blade servers	Notebook
Interface	240-pin	240-pin	240-pin	240-pin	204-pin
Capacity	2GB/4GB/8GB	2GB/4GB/8GB	2GB/4GB/8GB/16GB	4GB/8GB	2GB/4GB/8GB
Rank	Single / Dual	Single / Dual	Single / Dual	Single / Dual	Single / Dual
Speed	Up to 1600MHz				
VDD voltage	1.5V				
CAS latency	CL11				
Refresh	Auto-refresh / self-refresh				
Operating temperature	0°C-85°C				
RoHS	Yes				
Standard	JEDEC				
Warranty	Limited lifetime warranty				

Ordering Information

Product	Capacity	Rank	Voltage	Data rate	Speed	CL	Part number
U-DIMM	2GB	Single	1.5V	1600MT/s	PC3-12800	CL = 11	AD3U160022G11
	4GB	Single	1.5V	1600MT/s	PC3-12800	CL = 11	AD3U1600W4G11
	8GB	Dual	1.5V	1600MT/s	PC3-12800	CL = 11	AD3U1600W8G11
VLP U-DIMM	4GB	Single	1.5V	1600MT/s	PC3-12800	CL = 11	AD3X1600W4G11
	8GB	Dual	1.5V	1600MT/s	PC3-12800	CL = 11	AD3X1600W8G11
R-DIMM	4GB	Single	1.5V	1600MT/s	PC3-12800	CL = 11	AD3R1600W4G11
	8GB	Dual	1.5V	1600MT/s	PC3-12800	CL = 11	AD3R1600W8G11
	16GB	Dual	1.5V	1600MT/s	PC3-12800	CL = 11	AD3R1600Y16G11
VLP R-DIMM	4GB	Single	1.5V	1600MT/s	PC3-12800	CL = 11	AD3V1600W4G11
	8GB	Dual	1.5V	1600MT/s	PC3-12800	CL = 11	AD3V1600W8G11
SO-DIMM	2GB	Single	1.5V	1600MT/s	PC3-12800	CL = 11	AD3S160022G11
	4GB	Single	1.5V	1600MT/s	PC3-12800	CL = 11	AD3S1600W4G11
	8GB	Dual	1.5V	1600MT/s	PC3-12800	CL = 11	AD3S1600W8G11