

## DDR3L for every need: U-DIMM/VLP, U-DIMM/R-DIMM/VLP, R-DIMM/SO-DIMM

Premier Series DDR3L memory modules offer multiple form factors for various installation needs. All run at a reduced 1.35V compared to 1.5V on standard DDR3, with speeds up to 1600MHz. Whether in standard U-DIMM, very low profile modules (VLP), or small outline modules (SO-DIMM) for notebooks, all implement cutting edge technology that enables remarkable memory quality, stability, and reliability. All modules are produced in accordance with JEDEC and RoHS design and production standards, guaranteeing compatibility with every major computing platform. Each is also made with environmental protection and preservation in mind, and includes a lifetime ADATA warranty.



### Features

- High speed up to 1600MHz
- Transfer bandwidths up to 12.8GB/s
- Energy efficient: save up to 10% compared to DDR3
- 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 (0.7" 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	4GB/8GB	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	1.35V				
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	1.35V	1600MT/s	PC3L-12800	CL = 11	ADDU160022G11
	4GB	Single	1.35V	1600MT/s	PC3L-12800	CL = 11	ADDU1600W4G11
	8GB	Dual	1.35V	1600MT/s	PC3L-12800	CL = 11	ADDU1600W8G11
VLP U-DIMM	4GB	Single	1.35V	1600MT/s	PC3L-12800	CL = 11	ADDX1600W4G11
	8GB	Dual	1.35V	1600MT/s	PC3L-12800	CL = 11	ADDX1600W8G11
R-DIMM	4GB	Single	1.35V	1600MT/s	PC3L-12800	CL = 11	ADDR1600W4G11
	8GB	Dual	1.35V	1600MT/s	PC3L-12800	CL = 11	ADDR1600W8G11
	16GB	Dual	1.35V	1600MT/s	PC3L-12800	CL = 11	ADDR1600Y16G11
VLP R-DIMM	4GB	Single	1.35V	1600MT/s	PC3L-12800	CL = 11	ADDV1600W4G11
	8GB	Dual	1.35V	1600MT/s	PC3L-12800	CL = 11	ADDV1600W8G11
SO-DIMM	2GB	Single	1.35V	1600MT/s	PC3L-12800	CL = 11	ADDS160022G11
	4GB	Single	1.35V	1600MT/s	PC3L-12800	CL = 11	ADDS1600W4G11
	8GB	Dual	1.35V	1600MT/s	PC3L-12800	CL = 11	ADDS1600W8G11