

## 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<br>(1.18" height)  | Standard<br>(1.18" height) | Standard<br>(1.18" height)        | Very low profile<br>(0.7" height) | Standard<br>(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  |



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