# Great value DDR2 for desktops and notebooks: U-DIMM/SO-DIMM

ADATA 800MHz/667MHz DDR2 memory is available in U-DIMM and SO-DIMM form factors, accommodating desktops and notebooks. Modules deliver double data rate SDRAM bolstered by FBGA (Fine-pitch Ball Grid Array) packaging on a 240-pin/204-pin (U-DIMM/SO-DIMM) glass-epoxy printed circuit board. Running at 1.8V and 800MHz, transmission bandwidth reaches 6,400MB/s in the PC2-6400 specification. With 667MHz clocks, transmission bandwidth goes up to 5,300MB/s in the PC2-5300 specification.



## Features

- High speed up to 800MHz
- Transfer bandwidths up to 6.4GB/s
- 6-layer PCB provides improved signal transfer and system stability

**U-DIMM**



**SO-DIMM**

# Specifications

| Type | DDR2 800 U-DIMM | DDR2 667 U-DIMM | DDR2 667 SO-DIMM | DDR2 800 SO-DIMM |
|---|---|---|---|---|
| Form factor | Standard | Standard | Standard | Standard |
| Suitable for | Desktop | Desktop | Notebook | Notebook |
| Interface | 240-pin | 240-pin | 200-pin | 200-pin |
| Capacity | 1GB/2GB | 1GB/2GB | 1GB/2GB | 1GB/2GB |
| Rank | Single / Dual | Single / Dual | Single / Dual | Single / Dual |
| Speed | 800MHz | 667MHz | 800MHz | 667MHz |
| VDD voltage | 1.8V | | | |
| CAS latency | CL5 | | | |
| 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 |
|---|---|---|---|---|---|---|---|
| DDR2 800 | 1GB | Single | 1.8V | 800MT/s | PC2-6400 | CL = 5 | AD2U800B1G5 |
| U-DIMM | 2GB | Dual | 1.8V | 800MT/s | PC2-6400 | CL = 5 | AD2U800B2G5 |
| DDR2 667 | 1GB | Single | 1.8V | 667MT/s | PC2-5300 | CL = 5 | AD2U667B1G5 |
| U-DIMM | 2GB | Dual | 1.8V | 667MT/s | PC2-5300 | CL = 5 | AD2U667B2G5 |
| DDR2 800 | 1GB | Single | 1.8V | 800MT/s | PC2-6400 | CL = 5 | AD2S800B1G5 |
| SO-DIMM | 2GB | Dual | 1.8V | 800MT/s | PC2-6400 | CL = 5 | AD2S800B2G5 |
| DDR2 667 | 1GB | Single | 1.8V | 667MT/s | PC2-5300 | CL = 5 | AD2S667B1G5 |
| SO-DIMM | 2GB | Dual | 1.8V | 667MT/s | PC2-5300 | CL = 5 | AD2S667B2G5 |