

# DDR5 ECC SO-DIMM

## Memory Module



The ADATA industrial-grade DDR5 ECC SO-DIMM memory module utilize high-quality original DRAM ICs, featuring high speeds of up to 5600 MT/s and yet only operates on 1.1V for excellent performance and power efficiency. In addition, it is equipped with a Power Management IC (PMIC) on the module itself to enhance power supply stability. Offering high capacities up to 32GB, ADATA's industrial-grade DDR5 ECC SO-DIMM memory modules are suitable for servers, data centers, edge computing, networking, IoT, 5G, and surveillance. With On-die ECC and Side-band ECC (Error Correction Code) technologies, the DDR5 memory modules can also self-correct errors, effectively improving transmission reliability.

## Features

- Ultra-high speeds up to 5600 MT/s
- High capacities up to 32GB
- Implements high-quality original DRAM ICs to meet strict industrial standards
- Power Management IC (PMIC) ensures power supply stability
- Ultra-low operating voltage of 1.1V for improved power efficiency
- On-die ECC and Side-band ECC technology for more reliable data transmission
- 30 $\mu$  PCB gold plating for improved product durability and longevity
- Suitable for server, data center, networking, edge computing, IoT, 5G, and surveillance applications
- RoHS and JEDEC compliance
- Customized services: Anti-Sulfuration Protection and Conformal Coating help to enhance product durability in harsh environments

## Ordering Information

| Capacity | P/N                |                    | IC Configuration |
|----------|--------------------|--------------------|------------------|
| 16GB     | AD5B480016G10-BSSB | AD5B560016G20-BSSP | 2048x8           |
| 32GB     | AD5B480032G20-BSSB | AD5B560032G20-BSSP | 2048x8           |

\*ADATA implements high-quality original ICs on its industrial-grade memory modules.

\*\*ADATA can offer memory modules customized to the specific needs of your operations. Please contact an ADATA sales representative for a consultation.

## Specifications

| Model                             | DDR5 ECC SO-DIMM |
|-----------------------------------|------------------|
| Interface                         | DDR5             |
| Module Type                       | ECC SO-DIMM      |
| Frequency                         | 4800/5600 MT/s   |
| Capacity                          | 16GB, 32GB       |
| Pin Count                         | 262 Pin          |
| PCB Height                        | 1.18 inches/ 3cm |
| Operating Voltage                 | 1.1V             |
| Operating Temperature(Standard)   | 0°C to 85°C      |
| Operating Temperature(Industrial) | -40°C to 95°C    |
| Standard                          | JEDEC            |
| RoHS                              | Yes              |

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