FOR IMMEDIATE RELEASE

# ADATA Industrial Launches Industrial-Grade DDR5 Registered DIMM Memory Modules

## *Part of a full suite of Industrial-grade UDIMM, RDIMM, SO-DIMM DDR5 memory now available*

**Taipei, Taiwan – March 24, 2022 *-*** ADATA Technology (Taiwan Stock Exchange: 3260.TWO), a leading manufacturer of high-performance DRAM modules, NAND Flash products, and mobile accessories has today launched new industrial-grade Registered DIMM (R-DIMM) DDR5 memory modules. This completes a full suite of industrial-grade DDR5 including [U-DIMM](https://industrial.adata.com/us/product/DDR5_UDIMM), [SO-DIMM](https://industrial.adata.com/us/product/DDR5_SODIMM) and now R-DIMM modules designed for the latest Intel 12th Generation processors, and future DDR5 platforms.

### Ready for Industrial Applications

[ADATA industrial-grade R-DIMM DDR5 memory](https://industrial.adata.com/en/product/DDR5_RDIMM) modules are suitable for a wide range of applications, including 5G backhaul equipment, AIoT, High-Performance Computing, Server, Data Center, Edge Computing, Networking, Surveillance and more. DDR5 is expected to account for 90% of the global memory market by 2026, and ADATA’s DDR5 memory is ready to support the growing demand for reliable, high bandwidth memory.

### Fast, Power Efficient, Up to 32GB Capacity

ADATA industrial-grade R-DIMM DDR5 memory modules utilize original Samsung ICs and offer capacities of 16GB and 32GB. DDR5 performs at twice the bandwidth compared to DDR4, with data transfer rates of up to 4800MT/s, while also operating at a lower 1.1V for improved energy efficiency.

ADATA industrial-grade DDR5 memory modules feature on-module Power Management ICs (PMIC), which improves power management and provides a more stable power supply with per-module granularity. DDR5 ICs also feature on-die ECC and each module features thermal sensors to ensure generationally better operational reliability.

### Reliability Infused

Each ADATA industrial-grade DDR5 memory module uses 30µ PCB gold plating for improved signal transmission, plus anti-sulphuration protection, and conformal coating technology for resilience against pollution, dust, and humidity for better long-term reliability.

### Customer-centric Approach

ADATA can also tailor its industrial-grade DDR5 memory modules with technologies such as ECC, VLP DIMM, and wide-temperature operation to meet the diverse needs of customer applications.

For more information about availability and prices, please contact ADATA representative at [industrial.adata.com](https://industrial.adata.com/).

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| **Module Type** | **DDR5 R-DIMM** | DDR5 U-DIMM | DDR5 SO-DIMM |
| **Frequency** | **4800 MT/s** | 4800 MT/s | 4800 MT/s |
| **Capacity** | **16GB/32GB** | 8GB/16GB/32GB | 8GB/16GB/32GB |
| **Pin Count** | **288 Pin** | 288 Pin | 262 Pin |
| **PCB Height** | **1.23 inches/3.12cm** | 1.23 inches/3.12cm | 1.23 inches/3.12cm |
| **Operating Voltage** | **1.1V** | 1.1V | 1.1V |
| **Operating Temperature** | **0°C to 85°C** | 0°C to 85°C | 0°C to 85°C |
| **Standard** | **JEDEC** | JEDEC | JEDEC |
| **RoHS** | **Yes** | Yes | Yes |
| **Applications** | **Server, Data Center, Edge Computing, Networking, Surveillance** | Edge computing, IoT, 5G, and IPC | Embedded systems, healthcare, surveillance, and IPC |

### About ADATA Industrial

With its R&D and manufacturing prowess, in 2020, ADATA Technology (TWSE: 3260.TWO) grew to become the world’s second-largest vendor of DRAM memory as well as branded solid state drives (SSD). It holds over 500 memory-related patents and offers a full lineup of industrial-grade memory products, including DRAM, SSDs, and memory cards, which all meet the ISO 14001 and IECQ QC080000 certification standards. ADATA has a global presence and is able to offer high-quality technical and after services to customers regardless of geographic location. At the same time, ADATA is also able to leverage its R&D and manufacturing capabilities to provide customized products and solutions that meet the unique needs of individual customers. With its commitment to quality and innovation, ADATA is ready to serve the industrial sector with the widest range of memory solutions and work hand-in-hand with customers to create a better world and enrich lives. For more information, please visit [industrial.adata.com](https://industrial.adata.com/)