



NEWS RELEASE

# SMART Modular Technologies Introduces DDR5 RDIMMs with Conformal Coating for Liquid Immersion Servers

8/13/2024

Conformal coating process protects modules from corrosion and provides higher reliability and reduced cost for data center applications

NEWARK, Calif.--(BUSINESS WIRE)-- **SMART Modular Technologies, Inc. ("SMART")**, a division of **SGH** (Nasdaq: **SGH**) and a global leader in memory solutions, solid-state drives, and advanced memory, has launched a new line of DDR5 Registered DIMMs (RDIMMs) with conformal coating which are specifically designed for use in liquid immersion servers. This innovative product line combines the superior performance of DDR5 technology with enhanced protection, ensuring reliability and longevity in the most demanding data center environments.

SMART Modular's RDIMMs with conformal coating protects modules used in liquid immersion servers which leads to higher reliability and reduced costs for data center applications.

(Graphic: Business Wire)

Arthur Sainio, DRAM product director for SMART explains the significance of this introduction, "Our new DDR5 RDIMMs with

conformal coating represent the perfect fusion of cutting-edge performance and rugged reliability for the next generation of immersion-cooled data centers. By combining the speed and efficiency of DDR5 technology with advanced protective coatings, we're enabling our customers to push the boundaries of computing power while ensuring long-term durability in demanding liquid immersion environments. This product embodies our commitment to innovation and our drive to meet the evolving needs of high-performance computing applications."

There are three key advantages to designing in DDR5 RDIMMs with conformal coating.



1. **Protection against corrosion** - Conformal coating protects against corrosion by shielding sensitive electronic components from corrosive elements and by providing a protective barrier against environmental threats, such as oxidation, extending the lifespan of the memory modules.
2. **Reduced maintenance** - Coating modules aids in maintenance requirements due to the enhanced protection from corrosion, which results in higher reliability and lower maintenance costs.
3. **Thermal stability** – Conformal coating modules provides thermal stability and makes them particularly well suited for liquid immersion cooling systems, which are gaining popularity for their efficiency and sustainability. Liquid immersion cooling offers a consistent thermal environment, reducing the risk of thermal hotspots and improving overall system reliability.

SMART's DDR5 RDIMMs with conformal coating are designed to support the most demanding workloads, including artificial intelligence (AI), machine learning (ML), high-performance computing (HPC), and dense database analytics. With support for up to 256GB per module, these modules are perfect for liquid immersion server applications requiring large memory capacities and high data throughput.

SMART's DDR5 RDIMMs with conformal coating are available immediately through our global sales network. Visit SMART's [liquid immersion RDIMM page](#) for more information.

\*The stylized "S" and "SMART" as well as "SMART Modular Technologies" are trademarks and/or registered trademarks of SMART Modular Technologies, Inc. All other trademarks and registered trademarks are the properties of their respective owners.

About SMART Modular Technologies, Inc.

For more than 30 years, **SMART Modular Technologies** has been helping customers around the world enable high performance computing through the design, development and advanced packaging of specialty memory solutions. Our robust portfolio ranges from today's leading edge technologies to standard and legacy DRAM and Flash storage products. We provide standard, ruggedized and custom memory and storage solutions that meet the needs of diverse applications in high-growth markets.

Product Marketing Contact

Arthur Sainio

SMART Modular Technologies

Director, DRAM Product Marketing

39870 Eureka Dr., Newark, CA 94583

[arthur.sainio@smartm.com](mailto:arthur.sainio@smartm.com)

Media Contacts



John Crook  
SMART Modular Technologies  
Marketing Communications  
+1 (510) 474 8326  
**john.crook@smartm.com**

Maureen O'Leary  
Penguin Solutions  
Director, Communications  
**pr@sghcorp.com**

Source: SMART Modular Technologies, Inc.