

Penguin Solutions Expands SMART Modular DDR5 SODIMM Memory Portfolio with New 64GB DDR5-6400 ECC CSODIMM for Next-Gen HPC

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High-capacity DDR5-6400 ECC CSODIMM delivers rugged performance and extended temperature support for industrial, edge, and telecom applications

FREMONT, Calif.--(BUSINESS WIRE)-- **Penguin Solutions**, Inc. (Nasdaq: **PENG**), a leading provider of high-performance computing and AI infrastructure solutions, today announced the release of its **SMART 64GB DDR5-6400 ECC CSODIMM** memory modules, the newest addition to its broad DDR5 SODIMM lineup.

Penguin Solutions new SMART Modular DDR5 SODIMM memory modules deliver rugged performance and extended temperature support for industrial, edge, and telecom applications.

Designed for high-performance computing (HPC) in industrial, edge, telecom, and networking systems, the new module

supports both commercial-temperature (C-temp) and industrial-temperature (I-temp) options, engineered to provide reliable operation in harsh environments. The compact CSODIMM form factor delivers higher density and faster bandwidth with error correction capability (ECC) to meet the demanding requirements of next-generation platforms.

“Adding a 64GB DDR5-6400 ECC CSODIMM strengthens SMART’s leadership in ruggedized, high-performance memory solutions,” said Arthur Sainio, director of Integrated Memory DRAM product marketing at Penguin Solutions. “Industrial and networking customers now have access to both high-capacity and wide-temperature support in a very compact DDR5 SODIMM design.”

The CSODIMMs include a CKD (clock driver) that regenerates and amplifies the clock signal for maintaining signal

integrity, synchronicity timing and reducing errors at high speeds.

With the introduction of the 64GB capacity point, SMART's DDR5 SODIMM family now spans 16GB to 64GB, including capacities of 16GB, 32GB, 48GB, and now 64GB. This expansion enables system designers to choose the optimal memory density and performance profile for their application needs.

Key features of the SMART 64GB DDR5-6400 ECC CSODIMM include:

- Capacity: 64GB (expanding DDR5 SODIMM portfolio from 16GB–64GB)
- Data rate: up to 6400 MT/s
- ECC support for improved reliability
- Compact CSODIMM form factor for space-constrained systems
- Available in C-temp and I-temp for harsh deployment conditions

Sampling of the new DDR5-6400 ECC CSODIMM is available now. For more information, visit www.penguinsolutions.com under Our Products - Integrated Memory.

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About Penguin Solutions, Inc.

SMART Modular Technologies, a Penguin Solutions brand, helps customers around the world enable high performance computing through the design, development and advanced packaging of integrated memory solutions with a portfolio that ranges from today's leading edge memory technologies to standard and legacy DRAM and Flash storage products. For more information, visit: www.penguinsolutions.com.

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