

From Design to Deployment, Phison's IMAGIN+ System Enables Organizations to Imagine the Possibilities for Flash-enabled AI+ML at FMS 2023

Phison Demonstrates a Suite of Flash Solutions to Deliver Custom Optimizations for Artificial Intelligence Workloads Across the Global Digital Topography



Phison IMAGIN+ the Possibilities in NAND flash storage at FMS 2023

SAN JOSE, Calif. – August 8, 2023 – [Phison Electronics](#), a global leader in NAND flash and storage solutions, announces a technology demonstration of unique customer-based solutions fully realized through the IMAGIN+ customization service at [Flash Memory Summit 2023](#).

Phison has expanded its [IMAGIN+ design service](#) to include AI computational models and AI services solutions. Customers work with specialized Phison teams to design and engineer [custom flash deployments](#) that precisely address the data performance and endurance requirements of next generation products including those highly optimized for [aiDAPTIV](#) AI+ML workloads. With IMAGIN+ design services, Phison teams work hand-in-hand with customers to deliver AI-boosted SSD solutions that address demanding requirements.

FMS 2023 imagines the possibilities with Phison's IMAGIN+ design platform

"At FMS this year, Phison is excited to showcase the IMAGIN+ fully customizable enterprise data performance solutions for PCIe Gen4 and [Gen5](#) and to demonstrate our ultra-fast prosumer SSDs designed for high-IOPS applications," said Michael Wu, President and General Manager, Phison US. "Whether you are building infrastructure for aiDAPTIV+ML, enterprise data center operations, edge compute, workstation, or gaming, Phison delivers industry-leading, performance-forward solutions for flash deployments. Our solutions offer low- latency and -power for maximum efficiency across a wide variety of use cases."

Flash Memory Summit attendees can schedule demonstrations of the following Phison solutions:

Alliances for AI – IMAGIN+ AI for component manufacturing with GIGABYTE and Adlink

- First wave of collaboration between Phison, GIGABYTE, and Adlink
- Computer vision AI developed by Phison
- Customized AMD-based workstations by GIGABYTE and edge AI inference platforms by Adlink

Phison X2 - Our first enterprise PCIe Gen5 solution based on TSMC 12nm manufacturing

- Capacities up to 64TB RAW NAND
- Up to 14.7GB/s sequential and industry leading random workload performance
- Supporting U.2 and E3.S form factors
- Unique Phison CPU architecture for best-in-class performance and efficient power utilization

E26 – Tune It to the Max14um with the ultimate E26 featuring advanced Frore Systems AirJet Technology

- Frore Systems and Phison collaborate to demonstrate the world's fastest consumer SSD with over 1,000MB/s PCMark 10 Storage Test performance - A world's first for a NAND-based M.2 SSD
- Tuned to maximize the full bandwidth of PCIe Gen5 in our most power-efficient, high-performance model ever
- E26 was built for 2400MT/s NAND and we show you what the potent combination is fully capable of with up to 14.7GB/s performance on tap for the most demanding games, CAD/CAM, and other data intensive workloads

E27T – One for the Road - Delivering on the promise of PCIe Gen4 storage in a highly efficient DRAMless design

- Delivers on the promise of low-power Gen4 SSD performance for mobile devices
- Gaming on the go, E27T is optimized for low-power consumption making it the best choice for notebook gaming
- Business travelers demand low latency but also require long battery life - this is where E27T makes a difference
- Low power edge compute requires industry leading endurance that is both low cost and highly reliable
- Supports 2400MT/s and 3600MT/s memory bus - A world's first for a client DRAMless SSD

The Phison [PS5018-E18 pSLC](#) Gen4 NVMe SSD – Your 100% sustained workload leader

- Utilizes premium NAND in pSLC mode to deliver maximum sustained performance and endurance, up to 42 DWPD
- High sustained read and write speeds for both sequential and random workloads
- Custom tuning for environments such as AI+ML and RAID
- Shown with Apex Storage X21 21-drive array used for AI+ML, high-frequency trading, and up to 168TB of data storage

Schedule a demonstration of Phison's industry-leading flash memory solutions and learn more about its [IMAGIN+ customization](#) system, and start to imagine the possibilities with Phison's IMAGIN+.

[PHISON IR Distribution List Application Form]

If you would like to receive PHISON press release or announcement, please register our IR distribution application form from the link: [Phison IR Distribution List](#)

[PHISON's Quick Facts]

- Over 23 years experiences in NAND controller IC design and module integration.
- Over 3,800 employees globally, and more than 70% are engineers
- Nearly 2,000 memory-related patents globally.
- Target long-term revenue of NT\$100 billion through the 5+5 growth strategy
- The global market share of SSD controller exceeds 20%
- NT\$60.256B sales revenue in 2022.
- Confident that our [unique business model](#) can produce consistently strong cashflows and profits over the long-term amidst NAND memory market cycles.
- Strongly maintain long-term partnerships with our global NAND flash supply sources and with our downstream module customers.

[About PHISON]

Phison Electronics Corp. (TPEX:8299) is a global leader in NAND Flash controller IC and storage solutions. We provide a variety of services from controller design, system integration, IP licensing to total turnkey solutions, covering applications across SSD (PCIe/SATA/PATA), eMMC, UFS, SD and USB interfaces, reaching out to consumer, industrial and enterprise markets. As an active member of industry associations, Phison is on the Board of Directors for SDA, ONFI, UFSA and a contributor for JEDEC, PCI-SIG, MIPI, NVMe and IEEE-SA.

To know more about Phison, please visit [Phison Website](#) or [Phison Q&A](#) for details. Read more on our blog: www.phisonblog.com

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[Forward-looking Statements]

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