

Phison Technology Inc.
aiDAPTIV+ Division

- ✓ GPU Memory Extension
- ✓ On-Premises LLM Training and Inference
- ✓ Data Privacy and Sovereignty Solutions

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COMPANY OVERVIEW

Phison is a global leader in high-performance flash storage and system-on-chip (SoC) solutions, powering data infrastructure for hyperscale, enterprise, and embedded applications. Phison's aiDAPTIV+ technology extends GPU memory capacity, enabling private, cost-effective, and real-time AI training on-premises — a vital capability for government and defense environments requiring data security, sovereignty, and continuity of operations.



CORE COMPETENCIES

- **GPU Memory Expansion & AI Acceleration** – Extends GPU memory by up to 8TB per device using Phison's aiDAPTIVCache SSDs for large language model training and inference.
- **On-Premises AI Enablement** – Enables organizations to accelerate inference and train LLMs and vision models securely, locally, and at lower cost.
- **Data-at-Rest & In-Use Security** – Works in conjunction with select Phison controller-based enterprise SSDs with built-in FIPS-compliant, CSfC-ready storage hardware and firmware for sensitive and classified environments.

- **Edge & Tactical AI Solutions** – Compact, energy-efficient architectures deployable across field, edge, and command environments.

- **Custom Integration Support** – Works with system integrators (e.g., RedData/RPI-CS) to Design, Build, Integrate, Maintain, and Protect AI infrastructure for mission applications.

DIFFERENTIATORS

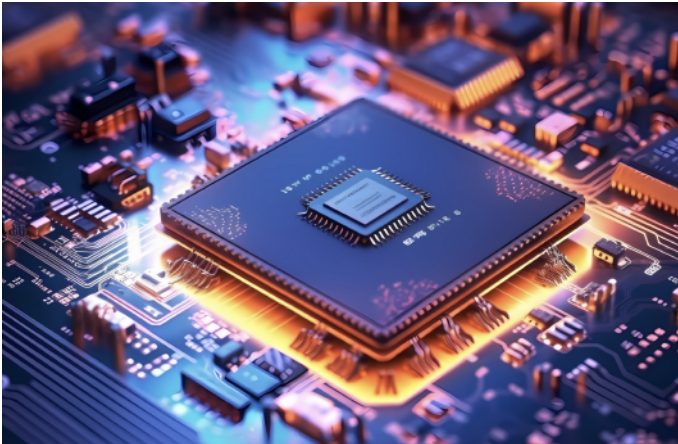
- **Future-Ready AI Infrastructure:** Bridges today's GPU hardware with tomorrow's model demands — enabling larger AI workloads without costly hardware refresh.
- **Secure Sovereign AI:** Maintains control of sensitive datasets by keeping all training on-premises — eliminating public cloud exposure.
- **Immediate Availability:** aiDAPTIV+ solutions are deployable within days, not months, with no dependency on GPU cloud or processor waitlists.
- **U.S. Partner Ecosystem:** Delivered in partnership with U.S.-based integrators ensuring traceable, secure, and compliant supply chains.
- **Proven Flash Leadership:** Backed by Phison's two decades of innovation in enterprise storage and controller design for major OEMs worldwide.

KEY CUSTOMERS & MARKETS

- Federal and defense agencies pursuing AI mission autonomy and data localization initiatives.
- State and municipal governments developing AI-driven analytics, public safety, and infrastructure monitoring.
- Commercial enterprises requiring private AI, edge compute, and data compliance.

PRODUCTS

- High endurance Solid State Drives (SSDs) use as a flash-based memory cache to extend GPU VRAM
- Memory management middleware manages data movement between GPU memory and Phison flash-based memory cache SSDs, enabling unmodified AI applications (e.g. PyTorch) to use expanded memory
- End-to-end LLMOps toolset that provides a graphical user interface (GUI) for ingesting data, fine-tuning or training LLMs on domain data, and providing inference (chat) capabilities.



SOLUTIONS

- **Sovereign AI Infrastructure:** Enables classified or sensitive AI training on-premises, avoiding exposure to public cloud.
- **CSfC & FIPS-Ready Data Protection:** Works with partners like Red Data to integrate secure data-at-rest architectures.
- **Tactical AI Deployments:** Supports real-time inference and decision systems at the edge or in theater environments.
- **Model Fine-Tuning on Classified Data:** Allows mission-specific model adaptation without data exfiltration.
- **Continuity of Operations (COOP):** Keeps AI workflows operational in disconnected, contested, or secure networks.

PROGRAM MANAGEMENT

- In-house “world-class validation laboratory” for AI models and integrated storage systems
- Quality assurance, testing, and acceptance procedures aligned with government standards
- Lifecycle management & sustainment (maintenance, updates, upgrades)
- Comprehensive testing and validation of custom SSD and flash storage designs via its IMAGIN+ customizable design services for SSDs and ASICs

NAICS CODES

- **334413** – Semiconductor and Related Device Manufacturing
- **541512** – Computer Systems Design Services
- **541519** – Other Computer Related Services
- **334118** – Computer Terminal and Peripheral Equipment Manufacturing
- **334111** – Electronic Computer Manufacturing

CORPORATE INFORMATION

Parent Company:

Phison Electronics Corporation (TPEX: 8299)

U.S. Operations:

Phison Technology Inc., San Jose, CA

DUNS:

65-802-3291 (Phison Electronics Corp),
04-415-7243 (Phison Technology Inc.)

UEI:

S6PHGKATC2J9 (System integrator partner RPI/RedData)
VYGGEBDMC155 (System integrator partner Newegg)

CAGE Code:

53FV3 (System integrator partner RPI/RedData)
77NL0 (System integrator partner Newegg)

Status:

Global corporation with U.S.-based R&D and integration partners