HAGIWARA Solutions

SSD purpose-built for edge AI computing

SATA Gen3 (6Gbps) compatible 2.5-inch SSD
S700H Series

(new product) scheduled for release in Q2 2026

Uncompromising responsiveness and durability for edge AI

Equipped with in-house developed firmware delivering high endurance, low latency, and stable QoS

Inherits the features of enterprise-grade SSDs

Redundancy and reliability required for embedded applications

EDGE AI COMPUTING

Key strengths / design concept

● **Keep running: performance stability (QoS)**

Stable response performance: 99.9% of command completion times within 0.5 ms, and 99.999% within 2.0 ms.
Minimizes sudden performance degradation, making it suitable for highly real-time systems.

● **Won't corrupt: consistency protection during power loss (power-loss tolerance)**

Automatic control from voltage-drop detection through safe shutdown protects file-system consistency even during power loss.
Internal capacitors (PLP) and firmware control minimize the risk of data corruption.

Data integrity & reliability

- ■ Full PLP for reliable data writes
- ■ E2E Data Path Protection for reliable data reads/writes

Security & data protection

- ■ TCG Opal 2.0 / IEEE 1667 SED features
- ■ Sanitize (secure data erasure)

Stable performance

- ■ Sequential (max): Read 500 MB/s / Write 500 MB/s
- ■ Random (max): Read 90K IOPS / Write 70K IOPS
  (varies by workload and temperature)
- ■ Focus on QoS / low latency

Environmental robustness

- ■ Guaranteed operating temperature: −25°C to 85°C
  (7,680GB model: 0°C to 70°C)

PLP support

Operations & support

- ■ Fixed BOM (key components)
- ■ PCN/EOL support
- ■ long-term availability
- ■ Japan-based support
- ■ Compatibility verification with RAID systems
- ■ Lifetime diagnostics using S.M.A.R.T. data
- ■ Settings can be changed via firmware customization

Item	S700H Series
Interface	SATA Gen3 (6Gbps)
Form factor	2.5-inch
DRAM	Included
NAND	TLC BiCS5/BiCS8
Capacity	480GB to 7,680GB
P/E cycles	3,000 cycles
Data retention	Initial: 10 years; at end of life: 1 year
Operating temperature	−25°C to 85°C (7,680GB model: 0°C to 70°C)
PLP	Included (PLP)
Security features	Secure boot
	TCG Opal 2.0
	Sanitize function
S.M.A.R.T.	Supported (S.M.A.R.T.)
Support tool	LiveMonitorPlus
Manufacturing site	Taiwan
Documentation compliance	RoHS, chemSHERPA

"LiveMonitorPlus," a support tool that enables accurate SSD status monitoring and preventive maintenance

Key functions
Collect/display S.M.A.R.T. data, temperature monitoring, visualize total bytes written and estimate remaining life, firmware update function

Example uses
Create life prediction reports / Early identification of abnormal SSDs, etc.

NVMe / PCIe Gen4 x4 products "N700K Series" are also available.

E1.S	U.2	M.2 2280
480GB〜7680GB	480GB〜7680GB	480GB〜7680GB

Contact form

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