

# SMART TESTER Series

for *Hard Disk Drive & Solid State Drive*

## High Performance Total Evaluation Tool for Storage Media

**SMART TESTER for 6G**  
【Support Interface SATA III】



**SMART TESTER for PCIe**  
【Support Interface PCIe Gen 3 (4Lane)】



**SMART TESTER for PCIe G4**  
【Support Interface PCIe Gen 4 (4Lane)】



### Main Function

#### Basic Function

- SMART information (User threshold determination)
- Capacity clipping & Release (SATA, AHCI)
- Secure erase(Enhanced)
- Queuing depth
- Sanitize
- Identify

#### Performance

- SNIA SSS PTS Enterprise & Client Measurement and report generation
- Graph display function
- Write & Read & Compare (Any access workload)

#### Endurance

- TBW(JEDEC 218/219) Enterprise & Client (Endurance, Read Disturb, Data Retention)
- Wear leveling
- Used percentage check
- Write & Read & Compare (Any access workload)

#### Power Management

- Voltage margin (Degradation control is possible)
- Power on / off immunity
- Limit of voltage drop
- Power shutdown (Guarantee of the write data)

#### Low Power Management Power Efficiency

- Dev. Sleep for SATA
- CLKREQ# for PCIe
- Consumption current measurement

# Specification

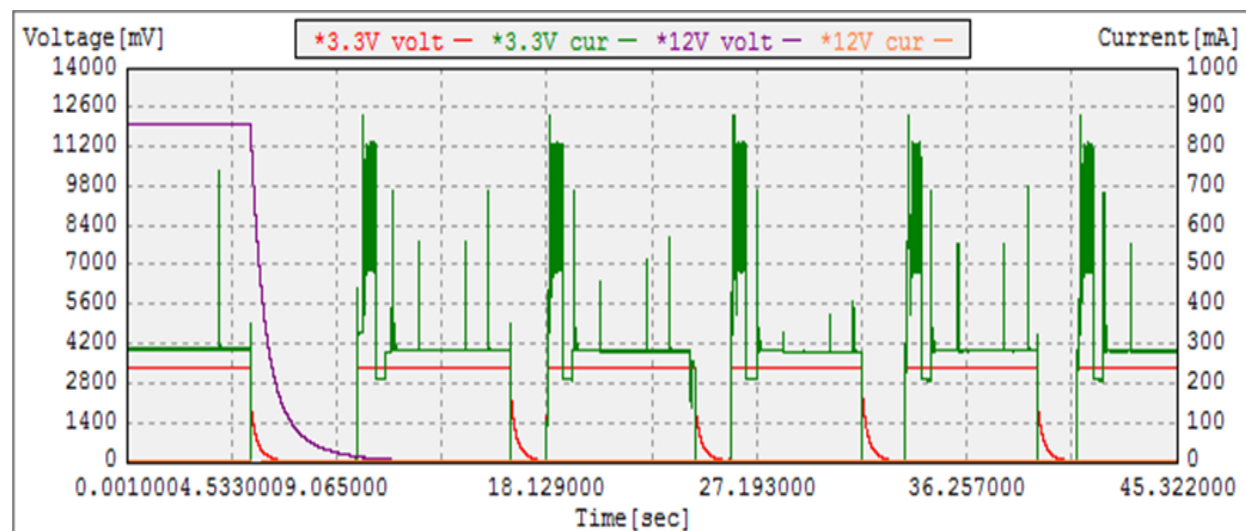
Item	SMART TESTER for 6G	SMART TESTER for PCIe
Model No.	S64PV1-F3	Gen3:H4PR-P3F4 Gen4:H4PC-P4
Interface	SATAIII SASII(op) PATA(op)	PCIe Gen3/Gen4 (4Lane) Support Protocol:NVMe, AHCI
Target Device	HDD:3.5inch/2.5inch SSD :2.5inch / M.2(2230-22110) CF / Cfast / mSATA	Add-in Card(Standard) M.2(2230-22110) / U.2(SFF8639) Cfexpress card
Max Test Port	4port/Unit	4port/Unit
Input Power Supply	AC95~245V 50/60Hz	AC95~245V 50/60Hz
Size	W259*D258*H58mm	Gen3 : W370×D310×H530mm Gen4 : W420×D460×H350mm

※The above specifications are subject to change without notice.  
PC for control is not included in the tester. It shall be prepared by a user.  
Please inquire about control performance and measurement resolution.

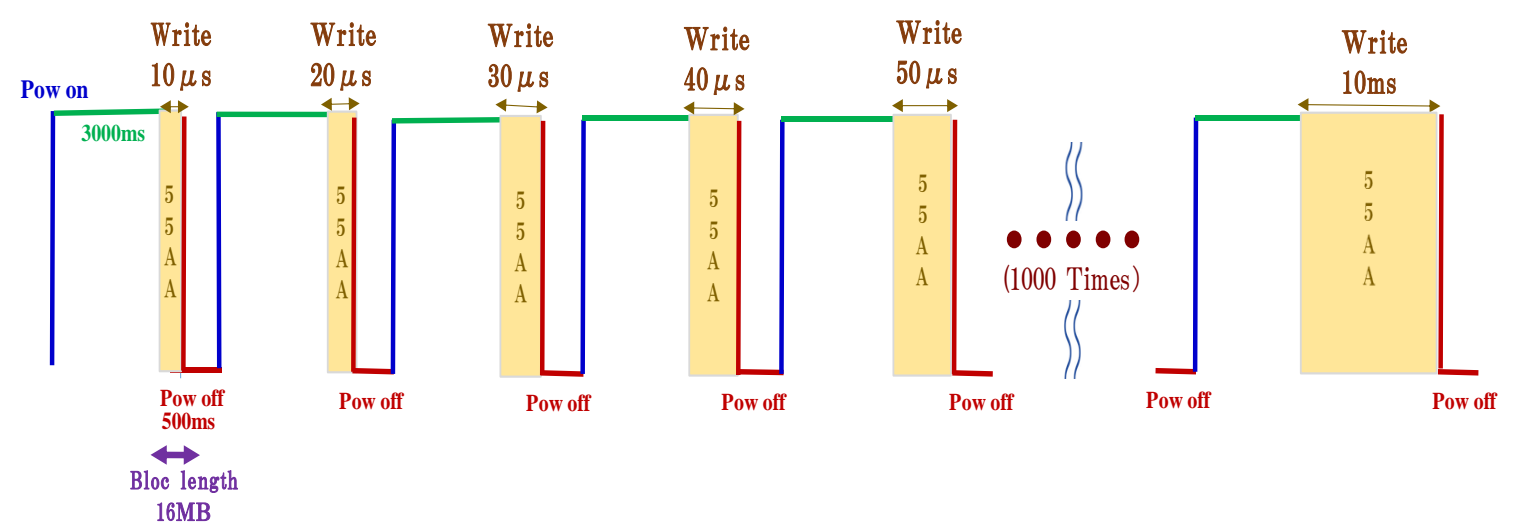
# Test Sample

We combine various access workloads and flexibly execute evaluations with high expertise.

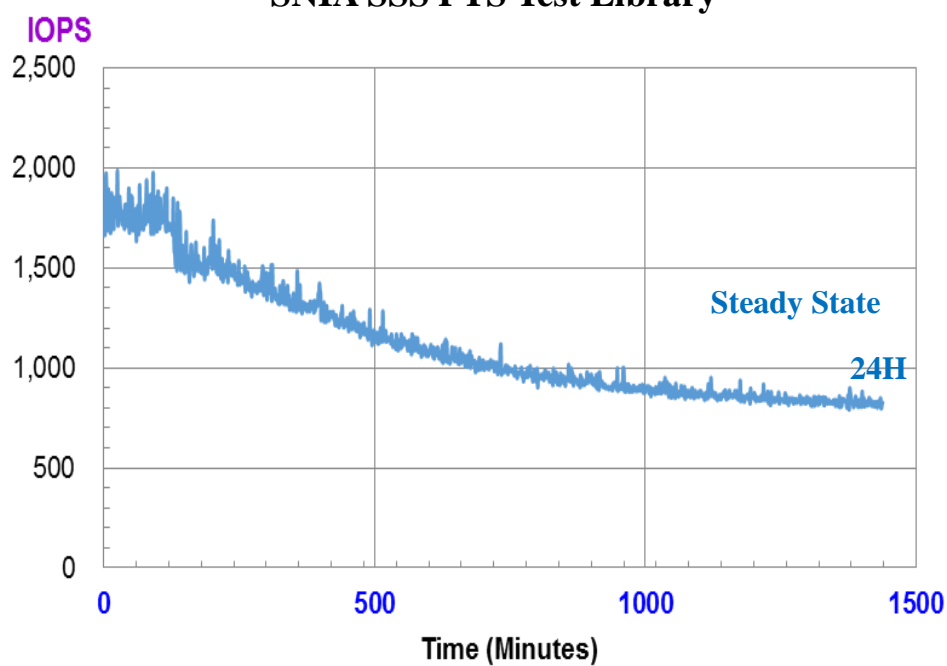
〈Power ON/OFF Test〉



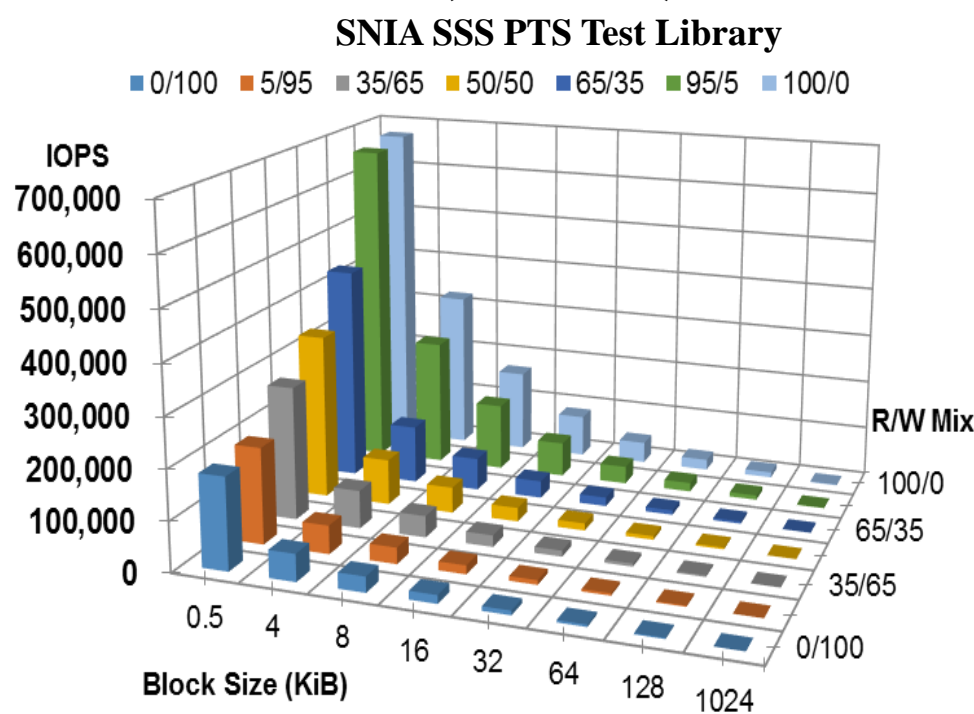
〈Power Shat down Test image〉



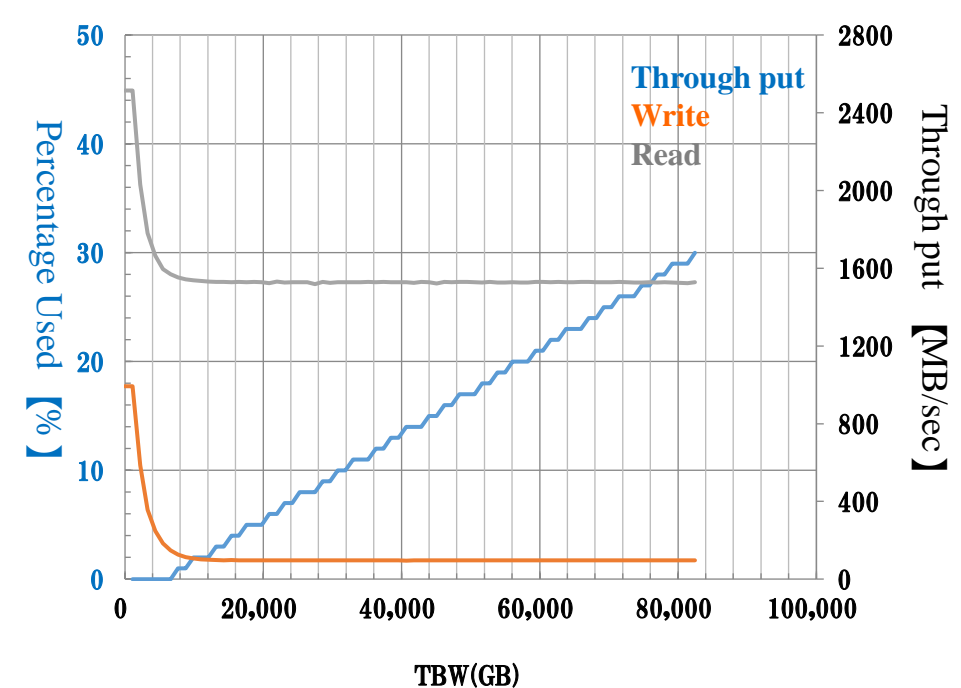
〈Write Saturation Test〉  
SNIA SSS PTS Test Library



〈IOPS Test〉



〈Endurance vs Performance〉



《Specialized Maker》

《Sales Agent》



3954-13 Ooaza ogawara, Suzaka-shi,  
Nagano-ken, Japan 382-0005

TEL:+81(0)26-245-1212 FAX:026-246-1474

✉ Mail Address  
info@hirotass.co.jp



ストレージ装置用試験設備及び制御機器の設計・開発・製造・保守及びアフターサービスで認定を受けています。



エコアクション21  
登録番号 0000272