TEST REPORT

HORUS560-PS





Customer	
PO	
S/N	SR202512310101
Production Date	2026/07/22
Final Inspection Result	2026/07/23

INDEX

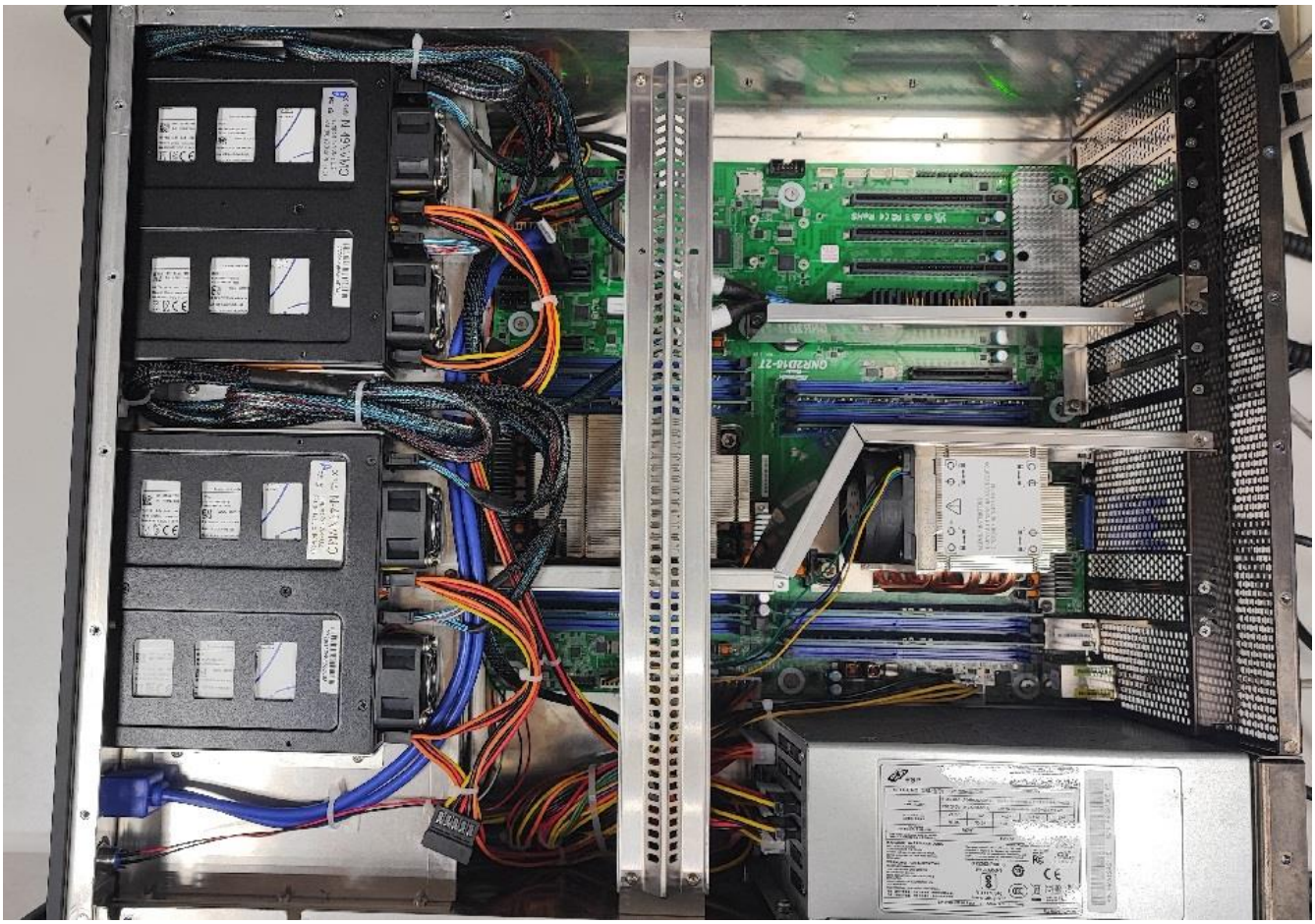
1. SPECIFICATION 2
1-1. SYSTEM CONFIGURATION 2
1-2. PRODUCT INTERIOR PHOTO 3
2. TEST RESULT LIST 4
2-1. TEMPERATURE CYCLE: 4
2-2. IO FUNCTION TEST: 5
3. OS INSTALLATION TEST 6
3-1. LINUX: 6
3-2. WINDOWS: 8
4. BURN-IN TEST 9
4-1. BURN-IN TEST IN LINUX: 9
4-2. BURN-IN TEST IN WINDOWS SERVER 2025: 10
5. IPMI – REMOTE KVM TEST 11
6. RAID CARD TEST 12
7. TEST PHOTO IN LAB 13
8. THERMAL TEST RESULT (-20°C ~ 60°C) 19

1. SPECIFICATION

1-1. SYSTEM CONFIGURATION

Motherboard	ASRockRack GNR2D16-2T
CPU	Dual Intel Xeon 6505P Processors
Memory	128GB DDR5 RDIMM by 8 x 16GB RDIMM
Storage	8 x 1.92TB Intel U.2 SSD SSDPF2KX019T1N1
RAID Card	Broadcom MegaRAID 9560-16i
Display	1 x VGA by D-Sub15 connector
USB Ports	2 x USB3.2 Gen1 on rear 2 x USB3.2 Gen1 on front
LAN Ports	2 x 10GbE RJ45 Ports 1 x 1GbE RJ45 Port for IPMI
PCI Express Slots	1 x PCIe x8 slot be used by RAID card 5 x un-used PCIe x16 slots
Power Supply	FSP FSP1200-50ADB 1200W 80+ Gold ATX Power Supply

1-2. PRODUCT INTERIOR PHOTO



2. Test Result List

2-1. Temperature Cycle:

Aging tests were performed on individual components across a range of temperature settings, under both maximum load and full load conditions, to evaluate thermal endurance and operational stability over time.

Test Temperature	Test Result
-20℃	PASS
0℃	PASS
25℃	PASS
40℃	PASS
50℃	PASS
60℃	PASS

2-2. IO Function Test:

Confirm that the system specification and all of Input/Output(I/O) interfaces are correctly configured and functioning as intended, in accordance with the defined technical standards.

Inspection Item	Category	Result (PASS/FAIL)
System Boot	Function	PASS
CPU	Function	PASS
RAM	Function	PASS
BIOS	Function	PASS
OS Installation	Function	PASS
Storage (2.5" SATA SSD)	Function	PASS
Storage (2.5" NVME SSD)	Function	PASS
RAID Card	Function	PASS
USB 3.1	Function	PASS
VGA	Function	PASS
10GbE LAN1	Function	PASS
10GbE LAN2	Function	PASS
IPMI LAN	Function	PASS
LED Indicators	Appearance	PASS

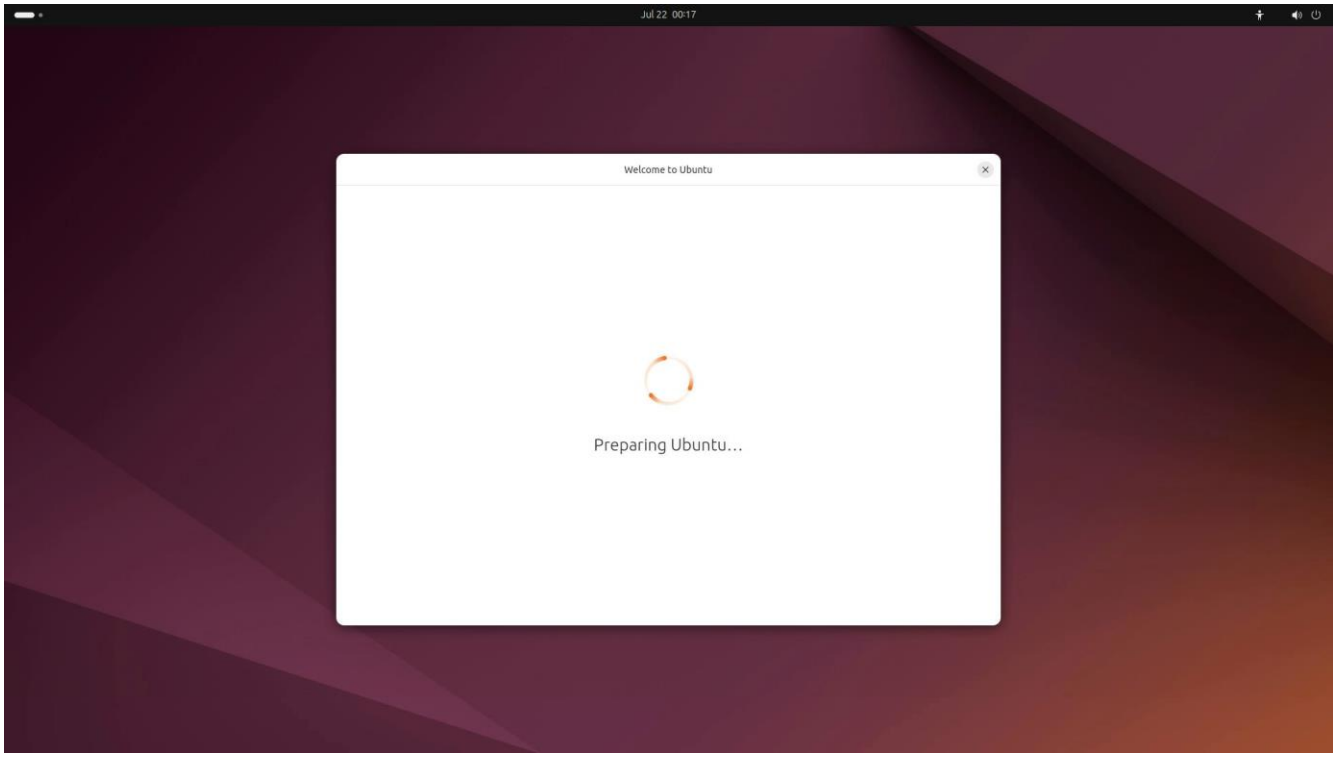
3. OS Installation Test

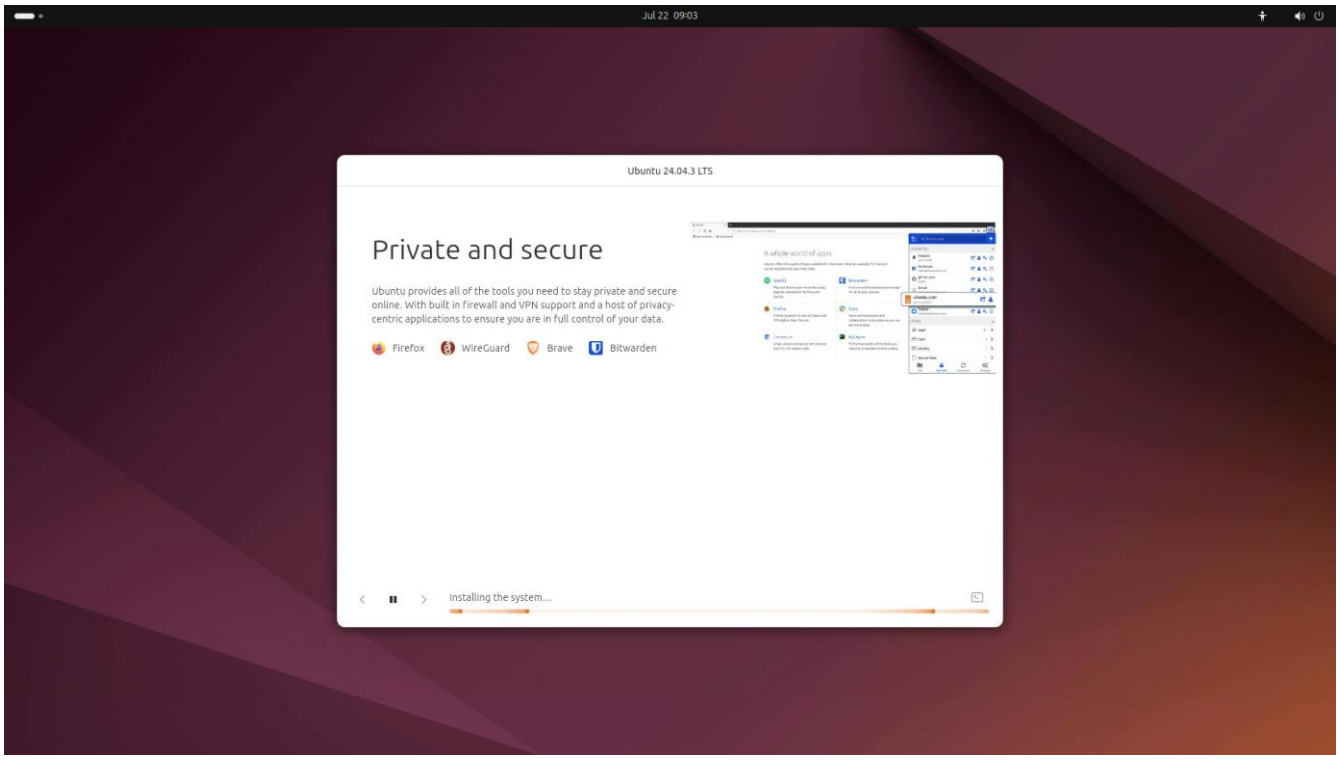
The system can install Linux and Windows operation system and no crashes, performance throttling, or error messages occurred.

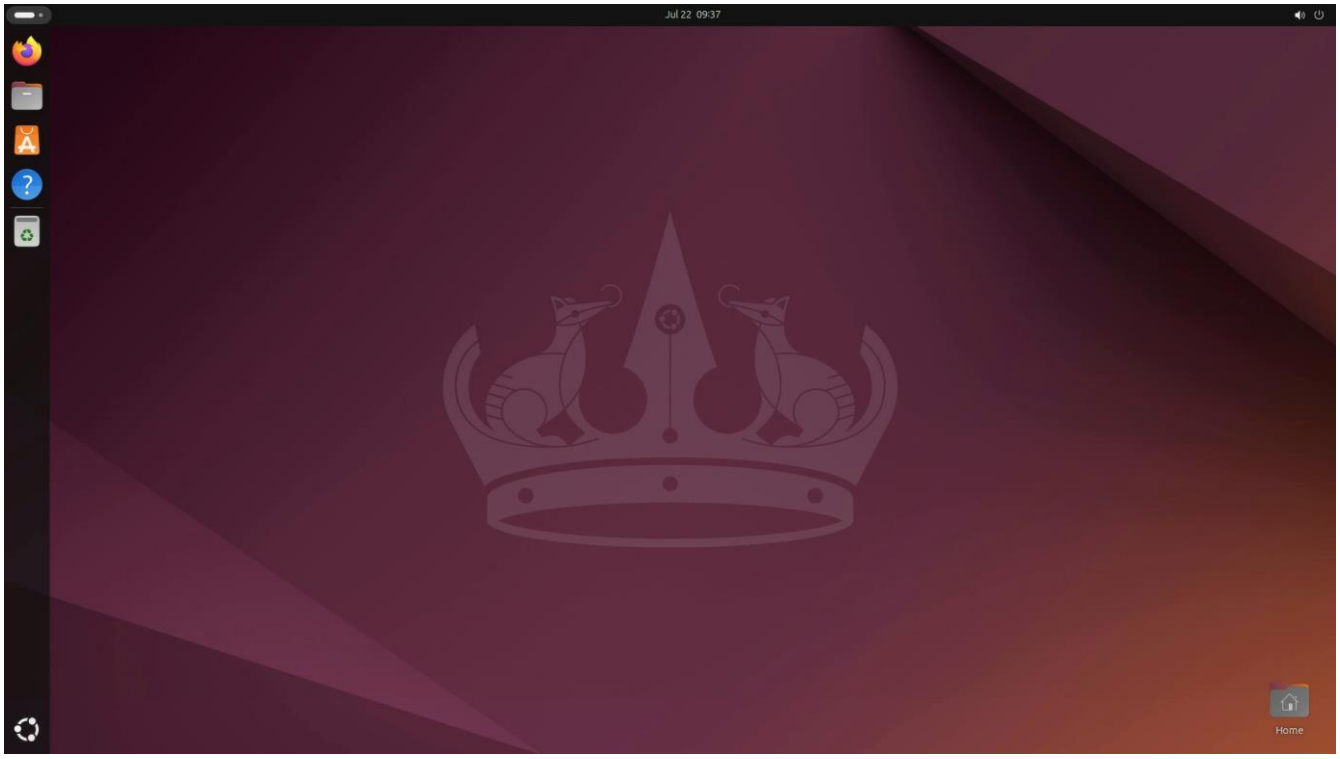
3-1. LINUX:

- **Ambient Temperature:** 25°C
- **Test Software:** uBuntu 24.04

Test Description: The system performed an installation process of Linux OS at a room temperature of 25°C. No crashes, performance throttling, or error messages occurred.



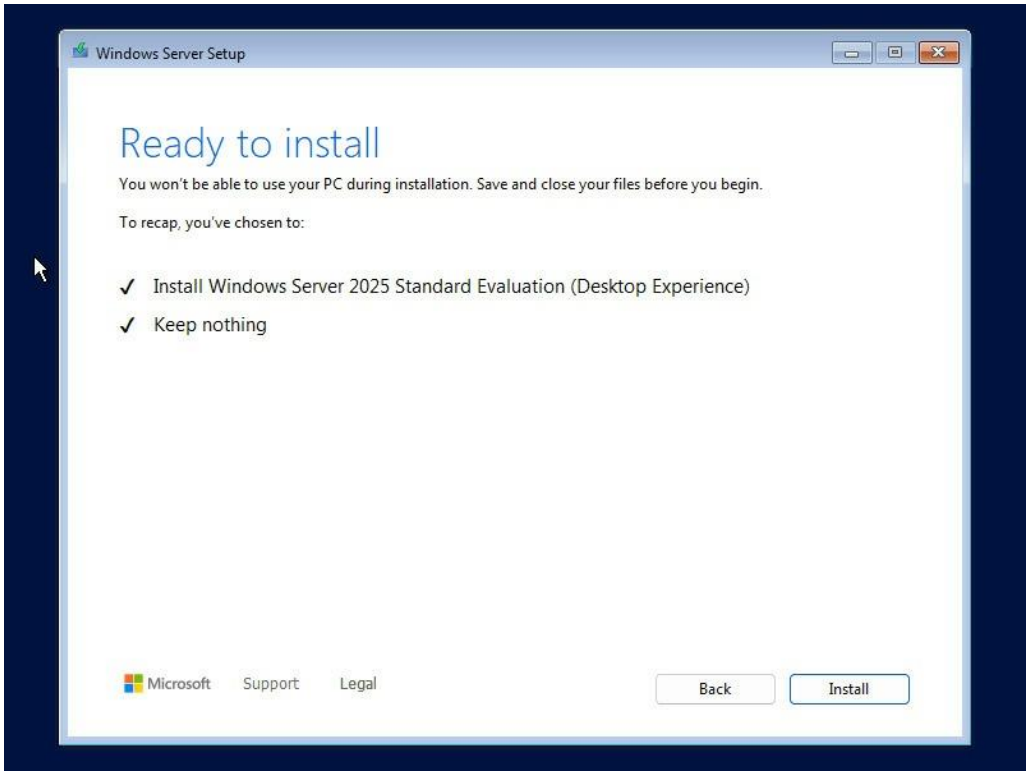

Jul 22 09:03
Ubuntu 24.04.3 LTS
Private and secure
Ubuntu provides all of the tools you need to stay private and secure online. With built in firewall and VPN support and a host of privacy-centric applications to ensure you are in full control of your data.
Firefox
WireGuard
Brave
Bitwarden
Installing the system...

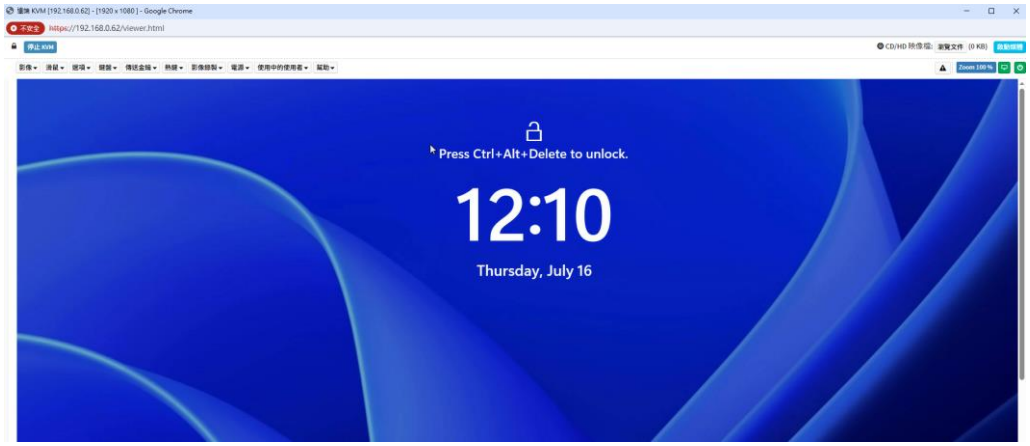

Jul 22 09:37
Home

3-2. WINDOWS:

- **Ambient Temperature:** 25°C
- **Test Software:** Windows Server 2025

Test Description: The system performed an installation process of the Windows Server 2025 OS at a room temperature of 25°C. No crashes, performance throttling, or error messages occurred.





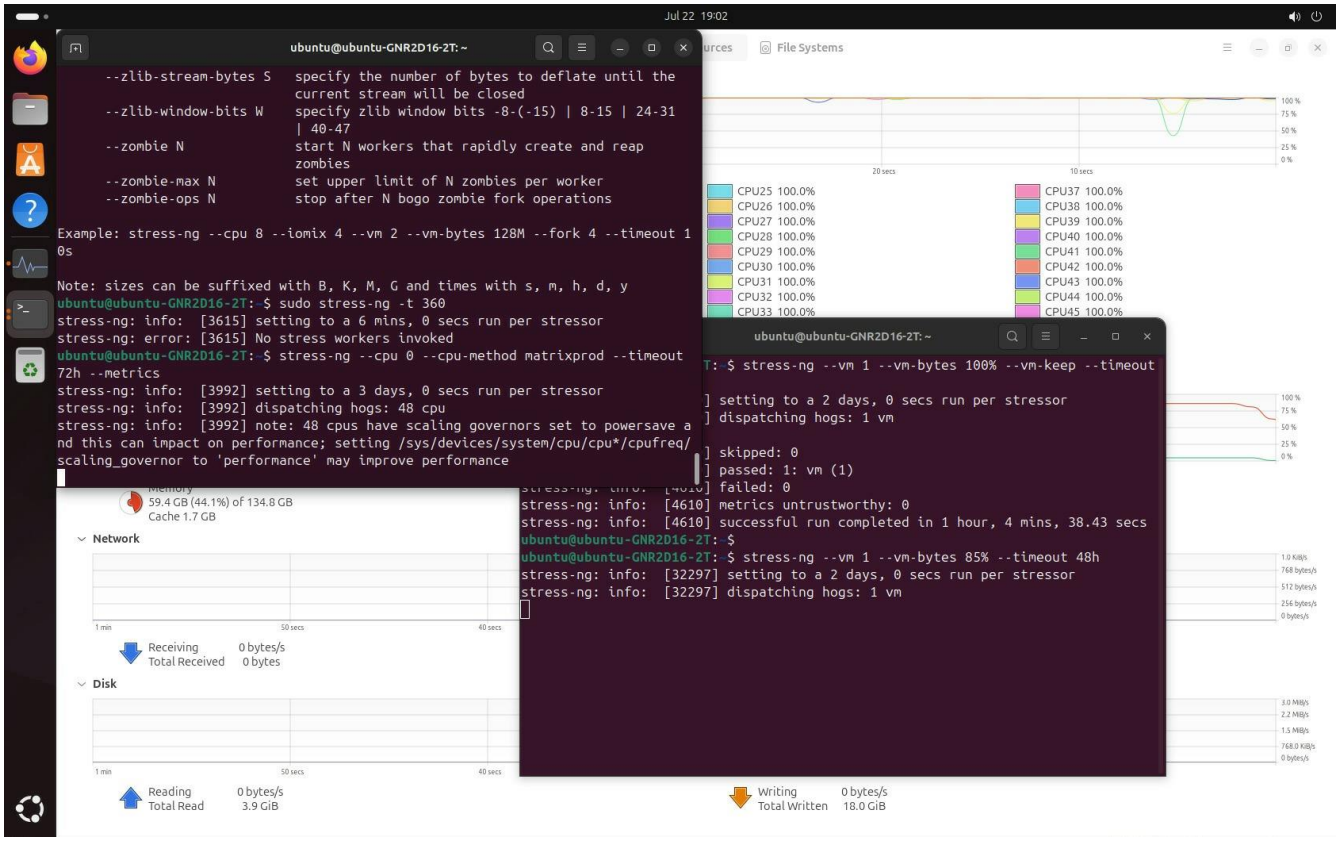
4. Burn-in Test

The system underwent high-load burn-in testing to verify the stability of the system during prolonged operation.

4-1. Burn-in Test in Linux:

- **Ambient Temperature:** 25°C
- **Test Duration:** 4hrs
- **Test Software:** Stress-ng
- **Load Intensity:** 100% System Load

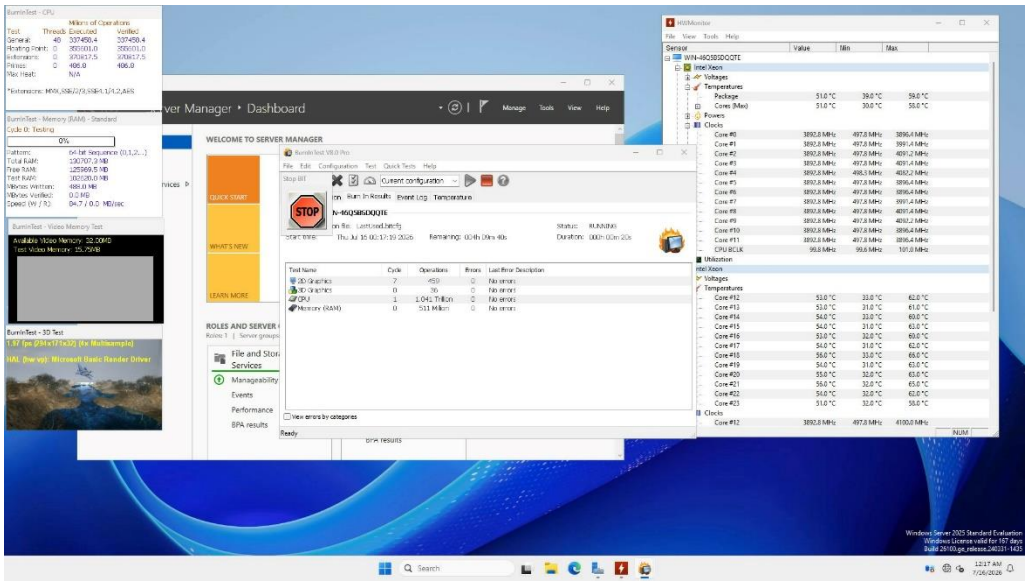
Test Description: The system performed a continuous 4-hour full-load burn-in test at a room temperature of 25°C. Monitoring logs indicate that the CPU and RAM maintained high stability during intensive R/W cycles and calculations. No reboots, crashes, performance throttling, or error messages occurred.

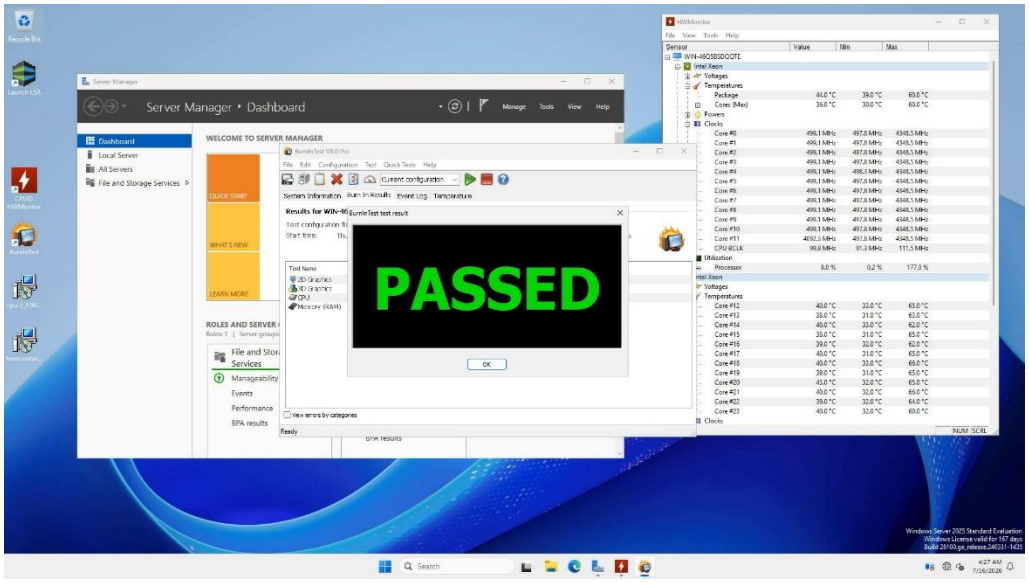


4-2. BURN-IN TEST IN WINDOWS SERVER 2025:

- **Ambient Temperature:** 25°C
- **Test Duration:** 4hrs
- **Test Software:** Burn-in Test
- **Load Intensity:** 100% Load of CPU/Memory/Video

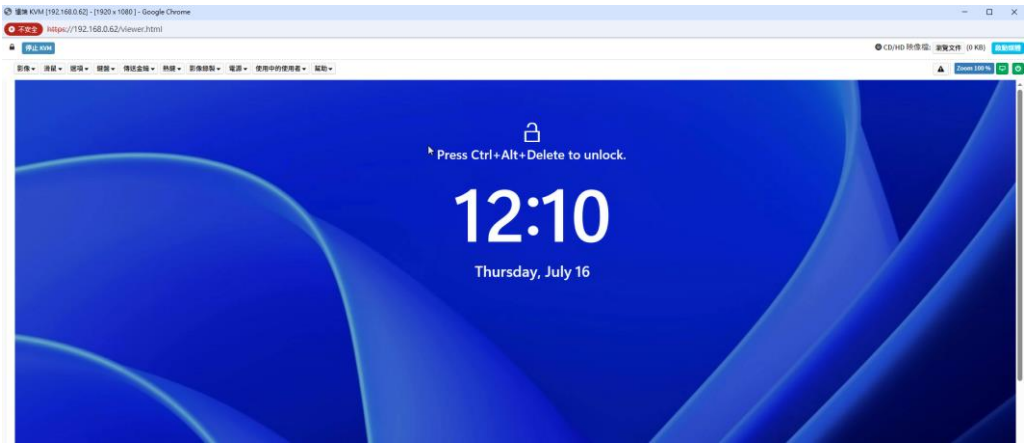
Test Description: The system performed a continuous 4-hour full-load burn-in test at a room temperature of 25°C. Monitoring logs indicate that the CPU and RAM maintained high stability during intensive R/W cycles and calculations. No reboots, crashes, performance throttling, or error messages occurred.

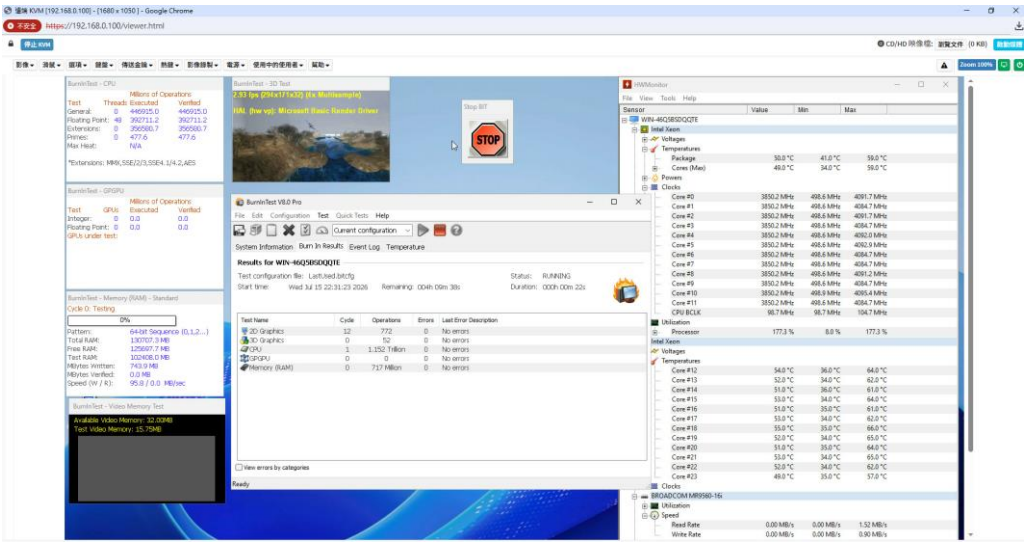




5. IPMI – Remote KVM Test

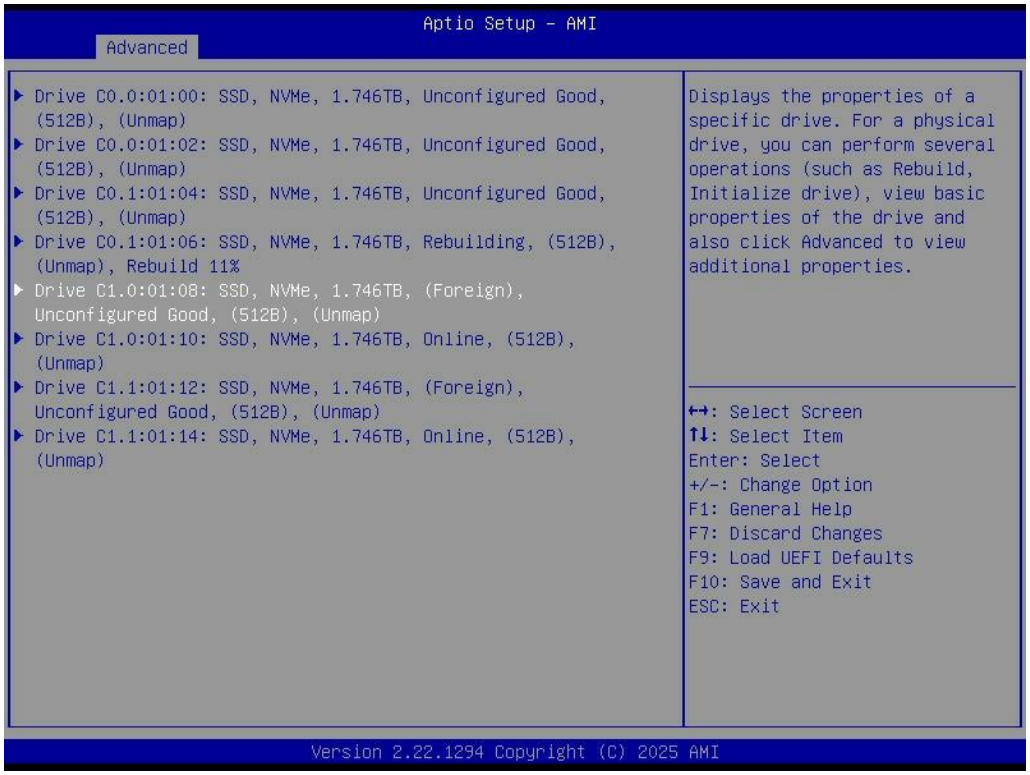
The system can be remote controlled and monitoring via IPMI over Lan.

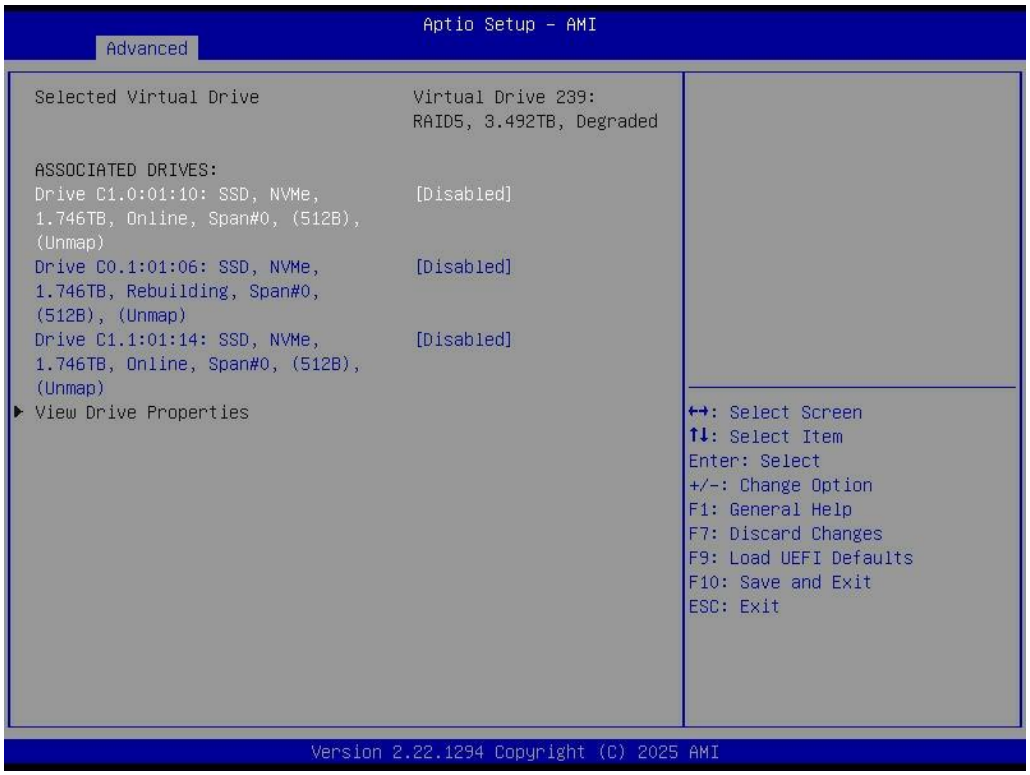




6. RAID Card Test

The RAID card can identify all of been installed SSDs and build virtual drive by RAID level 0,1,5 and 10.

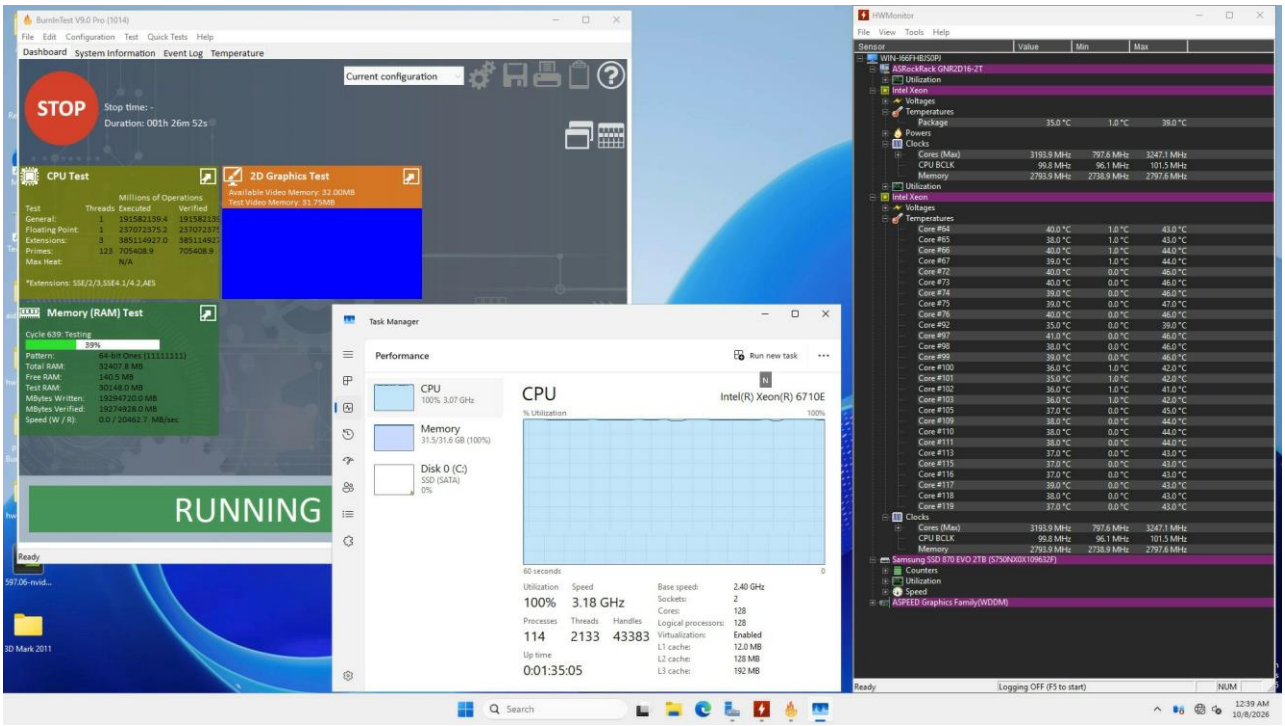




7. Test Photo in Lab

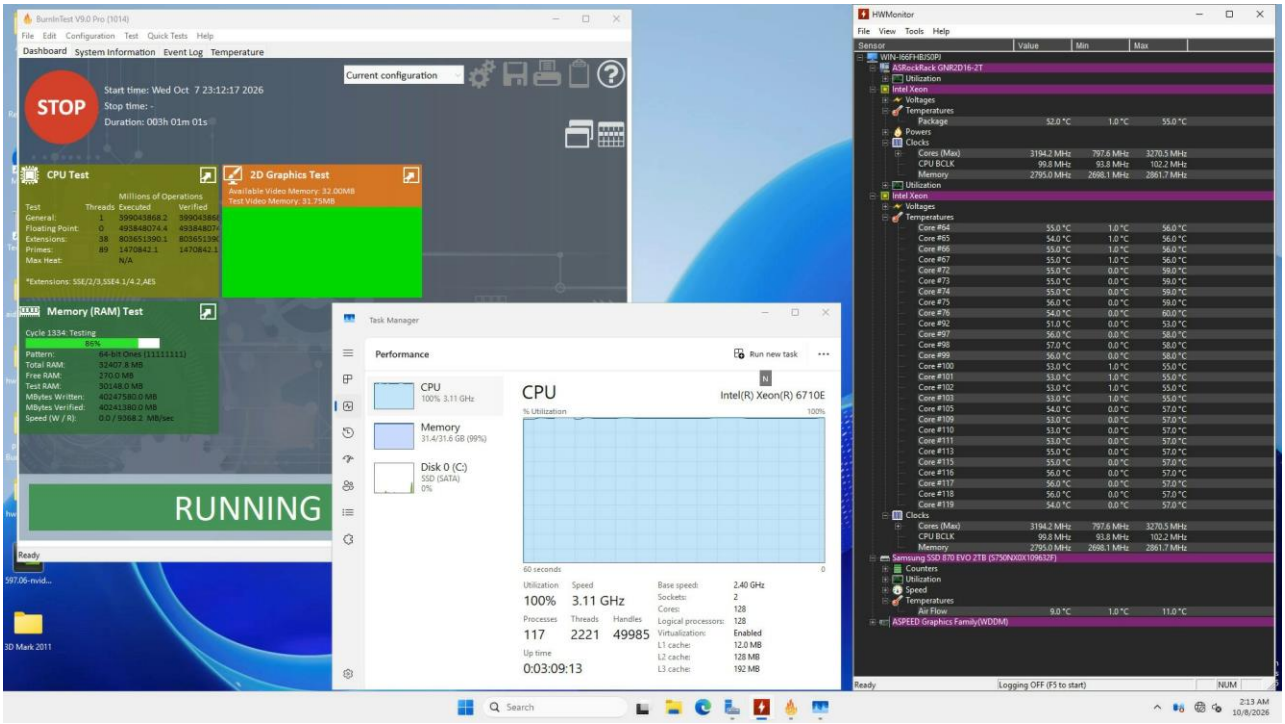
- Chamber in -20°C





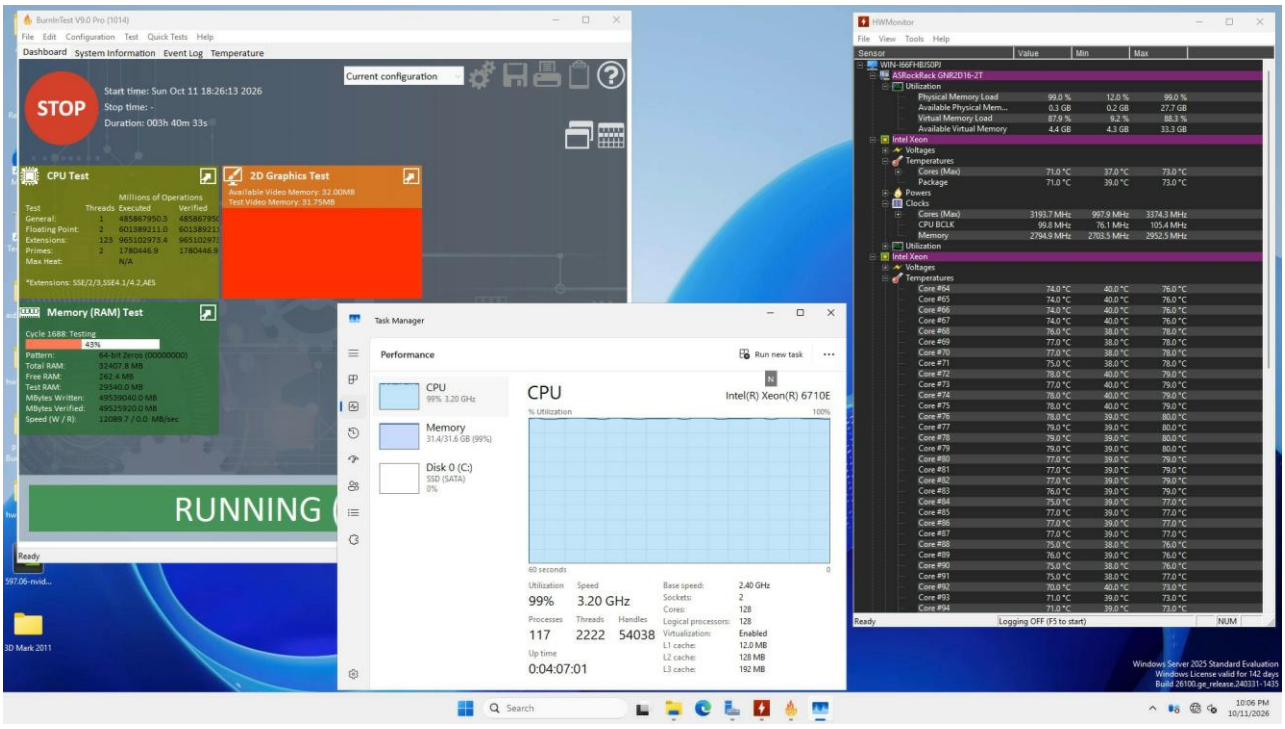
- Chamber in o°C





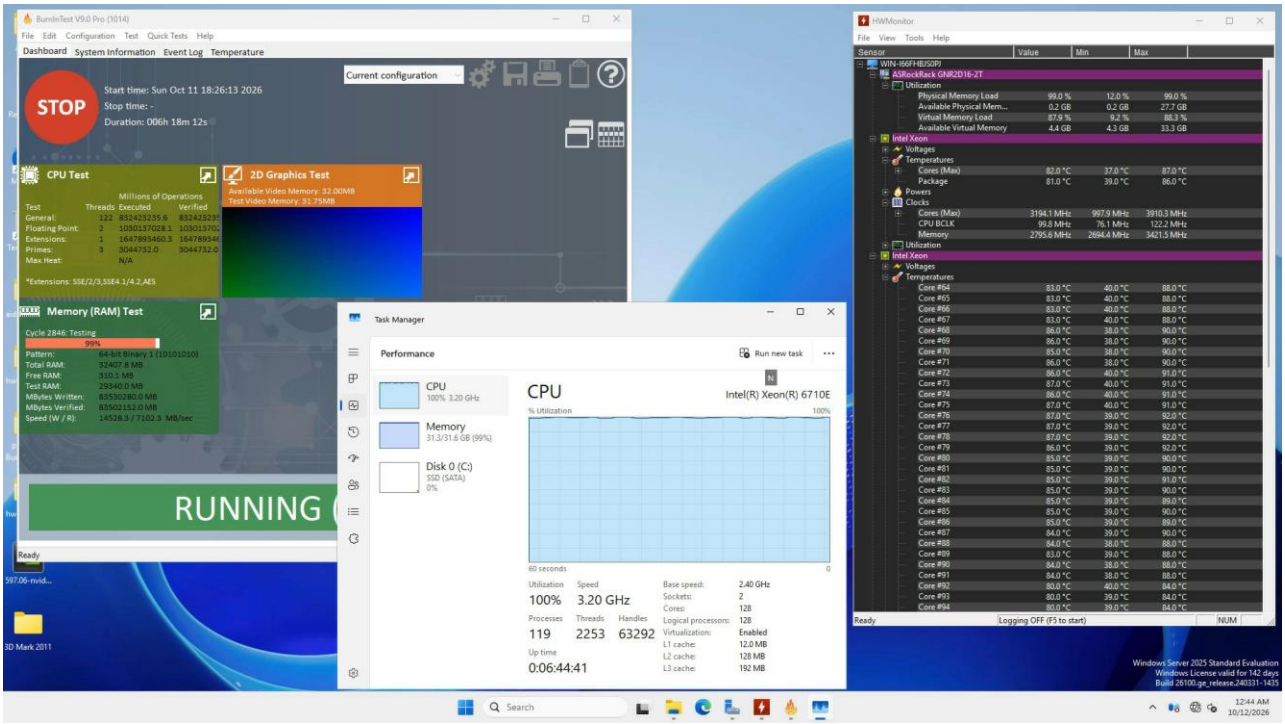
- Chamber in 25°C





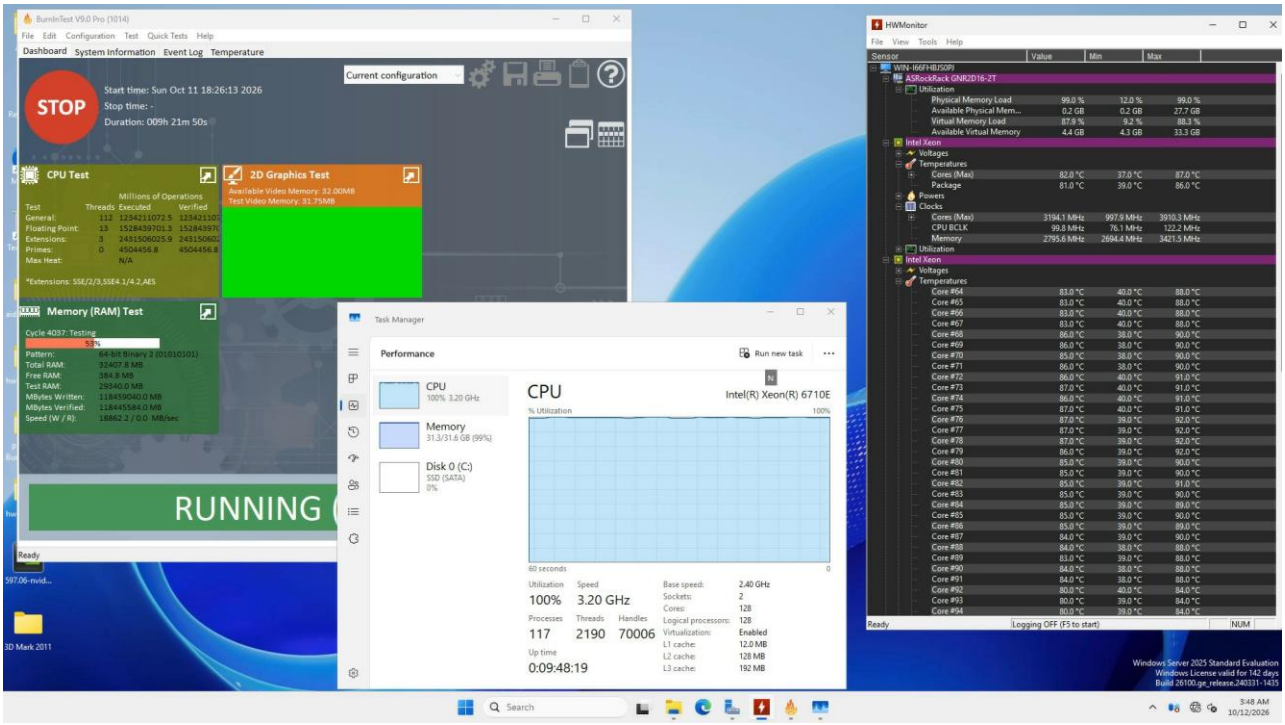
- Chamber in 40°C





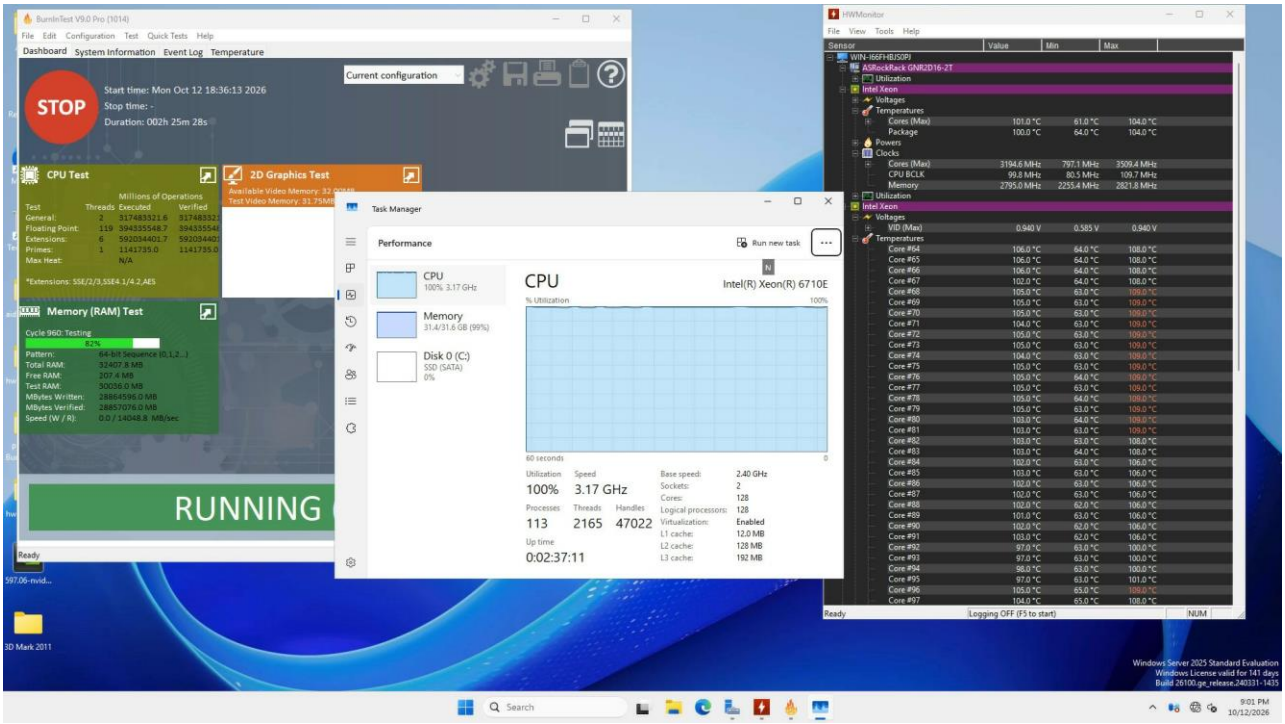
- Chamber in 50°C





- Chamber in 60°C





8. Thermal Test Result (-20°C ~ 60°C)

CPU Temperature / Frequency						
Ambient Temp. / Temperature / Freqency	-20℃	0℃	25℃	40℃	50℃	60℃
CPU Core Max., Temperature (℃)	47	60	73	82	87	104
CPU Core Freqency (MHz)	3193.9	3194.2	3193.7	3194.1	3194	3193

