



PERFORMANCE TEST REPORT

HORUS420-R1

S/N: SR2025100901

Product Manager	Mechanical Engineer	System Engineer	Test Engineer
Honwen Huang	Jeff Lin	Orpheus Hsiung	Mike Chen

PERFORMANCE TEST REPORT

HORUS420-R1



INDEX

1. SPECIFICATION	3
1-1. SYSTEM CONFIGURATION	3
1-2. PRODUCT INTERIOR PHOTO	4
2. TEST PLAN	5
2-1. THERMAL MEASUREMENT PROCESS	5
2-2. TEST RESULT	6
2-2-1. <i>Temperature Cycle</i>	6
2-2-2. <i>I/O Function</i>	7
2-2-3. <i>Low Temperature Power Cycle Test</i>	8
2-3. PEAK INSTANTANEOUS CURRENT AND POWER.....	9
2-4. POWER CONSUMPTION.....	10
3. TEST PHOTO IN LAB	11
4. THERMAL TEST RESULT(-40°C ~ +60°C).....	18
5. I/O FUNCTION TEST	21
5-1. LAN PORT.....	21
5-2. USB PORT(REA) R	25
5-3. DISPLAY PORT	29
5-4. USB PORT (FRONT)	30

1. SPECIFICATION

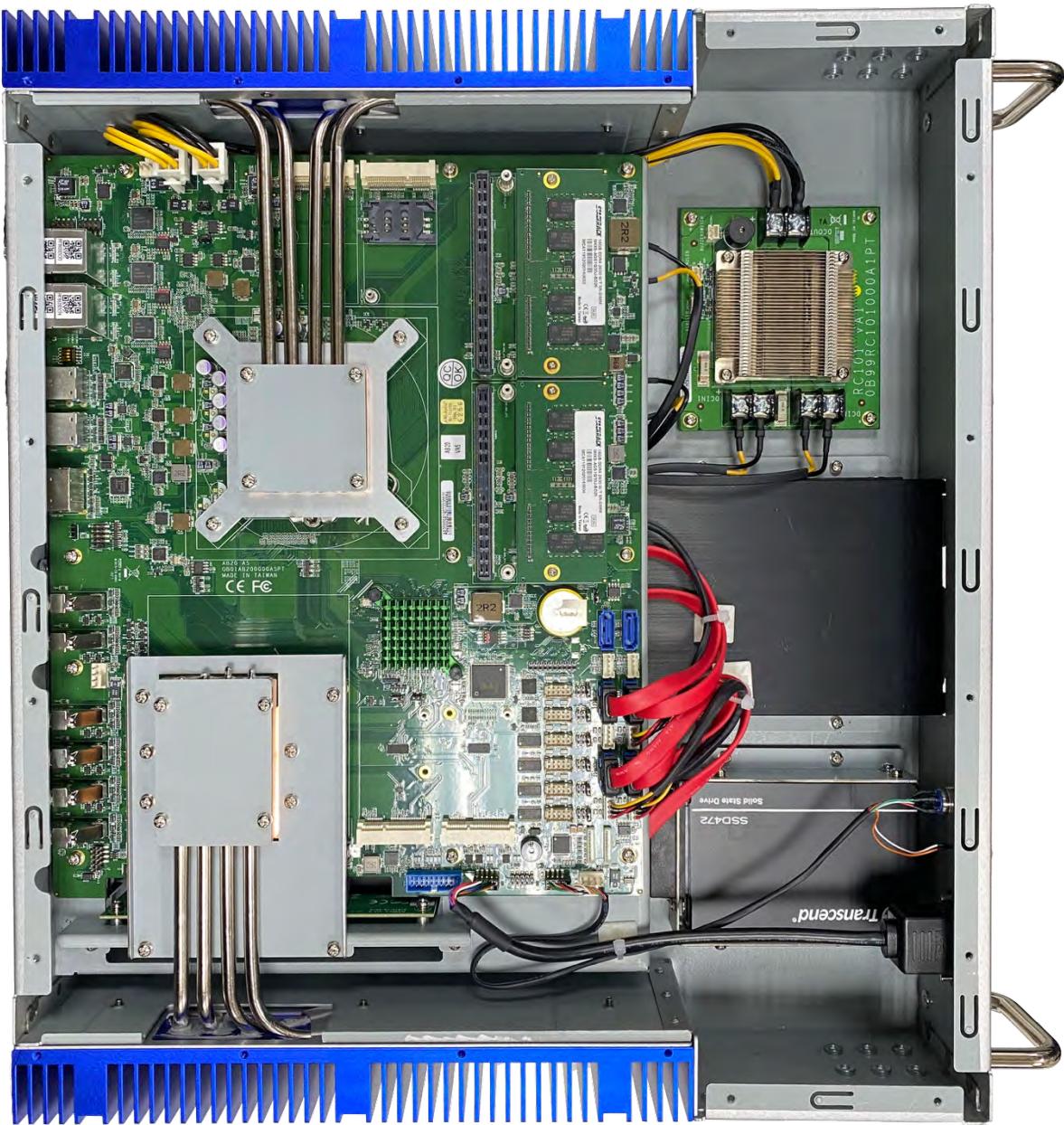
1-1. SYSTEM CONFIGURATION

Motherboard	AB20 BIOS Version: 5.11 SMBIOS Version: 3.0 Supports Intel® LGA 1151 14nm Skylake-S Processor Operating Temp. -40°C~85°C
CPU	Intel® Core™ i7-6700TE Processor Total Cores: 14 Total Cores: 4 Total Threads: 8 Max Turbo Frequency: 3.40 GHz Intel® Turbo Boost Technology 2.0 Frequency‡: 3.40 GHz Processor Base Frequency: 2.40 GHz TDP: 35 W
Memory	32GB DDR4 XR-DIMM
Storage	Internal: 2TB *2 3D TLC SSD External: 2TB *2 3D TLC SSD
GPU	NVIDIA GeForce GTX 1050 Ti Embedded GPU BIOS Version: 86.07.59.00.E3 CUDA parallel-processing cores: 768 CUDA® cores GPU base/boost clock: 1291 MHz / 1392 MHz Max Power Consumption: 75 W
Add-on cards	Perfectron MT201 Intel® 82599ES 10Gb/s 2 x LAN port 2 x SFP+ LAN ports Supports 10Gb/s per port Intel® 82599ES PCIe x8 (Gen2 x8 bus)
Power Module	2 x 200W AC-DC PSU With redundant Power

PERFORMANCE TEST REPORT

HORUS420-R1

1-2. PRODUCT INTERIOR PHOTO



2. TEST PLAN

2-1. THERMAL MEASUREMENT PROCESS

Test Purpose	The purpose of conducting thermal profile testing is to identify potential thermal issues in the Equipment Under Test (EUT). Given that semiconductor failure rates increase significantly with rising junction temperatures, this testing contributes to the overall assessment of product reliability.																											
Test Equipment	1. KSON THS-B4T-150 Chamber.																											
Quantity Tested	Minimum 1 Set																											
Test Software	CPU Stress: PassMark BurnIn Test v9.0 GPU Stress: AIDA64 Business v6.90 LAN Speed Test: iPerf3																											
Test Procedure	<p>1. Thermal Pre-Scan Measurement: Temperature Range: -40°C to 60°C Humidity Condition: 60% RH (when temperature exceeds 25°C)</p> <p>2. Actual Thermal Measurement Procedure:</p> <ol style="list-style-type: none"> 2.1. Identify the test points using the infrared thermal image and attach thermocouples to the identified hot spots. 2.2. Place the Equipment Under Test (EUT) in the thermal chamber and configure the test temperature profile according to the specified requirements. 2.3. Power on the EUT after closing the thermal chamber. Boot into Windows 10 Pro and initiate a maximum power consumption and stress test. 2.4. After running the test software continuously for 8 hours, record the peak temperature observed at each thermocouple measurement point. 2.5. Power off both the thermal chamber and the EUT. 2.6. Verify that the recorded temperature data for each component remains within its specified operating temperature range, as defined in the component specification or approval documents. 																											
Test Diagram of Curves	<p>Environment defines for 174 hours.</p> <table border="1"> <thead> <tr> <th>Time (hour)</th> <th>Temperature (°C)</th> <th>Humidity (%RH)</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>24.0</td><td>0</td></tr> <tr><td>1.0</td><td>-40.0</td><td>0</td></tr> <tr><td>50.0</td><td>25.0</td><td>0</td></tr> <tr><td>74.0</td><td>49.0</td><td>0</td></tr> <tr><td>99.0</td><td>40.0</td><td>60</td></tr> <tr><td>124.0</td><td>50.0</td><td>60</td></tr> <tr><td>149.0</td><td>50.0</td><td>60</td></tr> <tr><td>174.0</td><td>60.0</td><td>0</td></tr> </tbody> </table>	Time (hour)	Temperature (°C)	Humidity (%RH)	0.0	24.0	0	1.0	-40.0	0	50.0	25.0	0	74.0	49.0	0	99.0	40.0	60	124.0	50.0	60	149.0	50.0	60	174.0	60.0	0
Time (hour)	Temperature (°C)	Humidity (%RH)																										
0.0	24.0	0																										
1.0	-40.0	0																										
50.0	25.0	0																										
74.0	49.0	0																										
99.0	40.0	60																										
124.0	50.0	60																										
149.0	50.0	60																										
174.0	60.0	0																										

PERFORMANCE TEST REPORT

HORUS420-R1

2-2. TEST RESULT

2-2-1. 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
-40°C / 0%RH	PASS
-20°C / 0%RH	PASS
0°C / 0%RH	PASS
25°C / 60%RH	PASS
40°C / 60%RH	PASS
50°C / 60%RH	PASS
60°C / 60%RH	PASS

PERFORMANCE TEST REPORT

HORUS420-R1

2-2-2. I/O Function

Confirm that the system specifications and all input/output (I/O) interfaces are correctly configured and functioning as intended, in accordance with the defined technical standards.

Item	Test Criteria	Result
USB 2.0	A PassMark USB_2.0 Loopback was connected for testing and was found to be functioning normally.	PASS
USB 3.0	A PassMark USB_3.0 Loopback was connected for testing and was found to be functioning normally.	PASS
Display Port	The DP output has been verified to be working properly, and the resolution can be adjusted according to the monitor size.	PASS
1GbE LAN	Data transmission via connection to a 1 Gbps LAN switch has been tested. The transfer speed meets the required standard with zero packet loss, confirming normal functionality.	PASS
10GbE LAN	Data transmission via connection to a 10 Gbps LAN switch has been tested. The transfer speed meets the required standard with zero packet loss, confirming normal functionality.	PASS

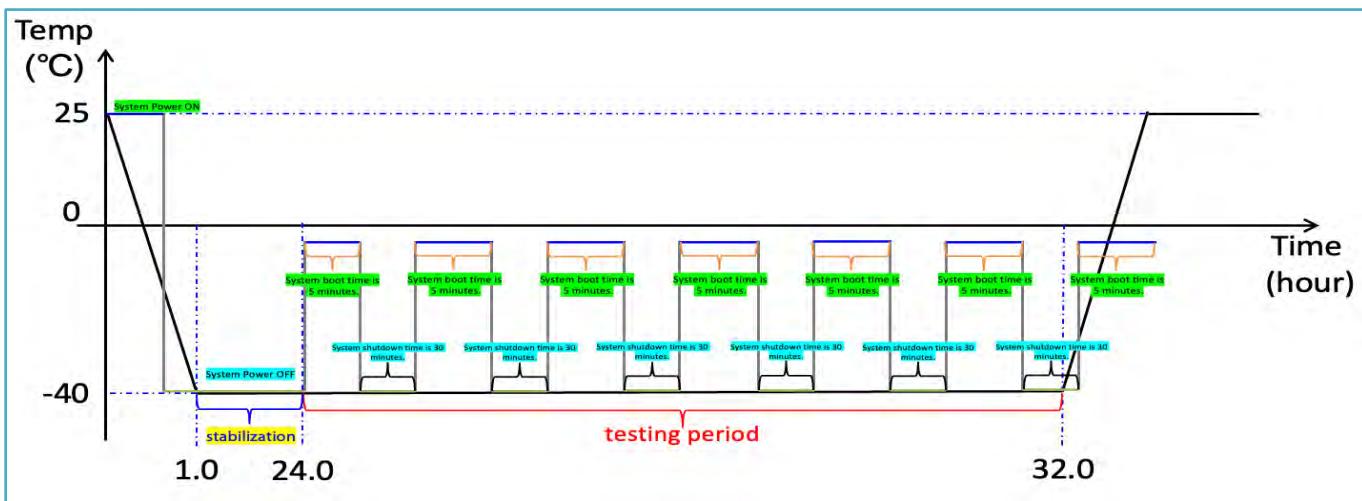
PERFORMANCE TEST REPORT

HORUS420-R1

2-2-3. Low Temperature Power Cycle Test

Apply power to the system under a -40°C ambient condition and confirm successful system boot-up, ensuring stable initialization and operation at low temperatures.

Ambient Temp.	Cold Boot Test Times	Test Result
-40°C	125 times	PASS



PERFORMANCE TEST REPORT

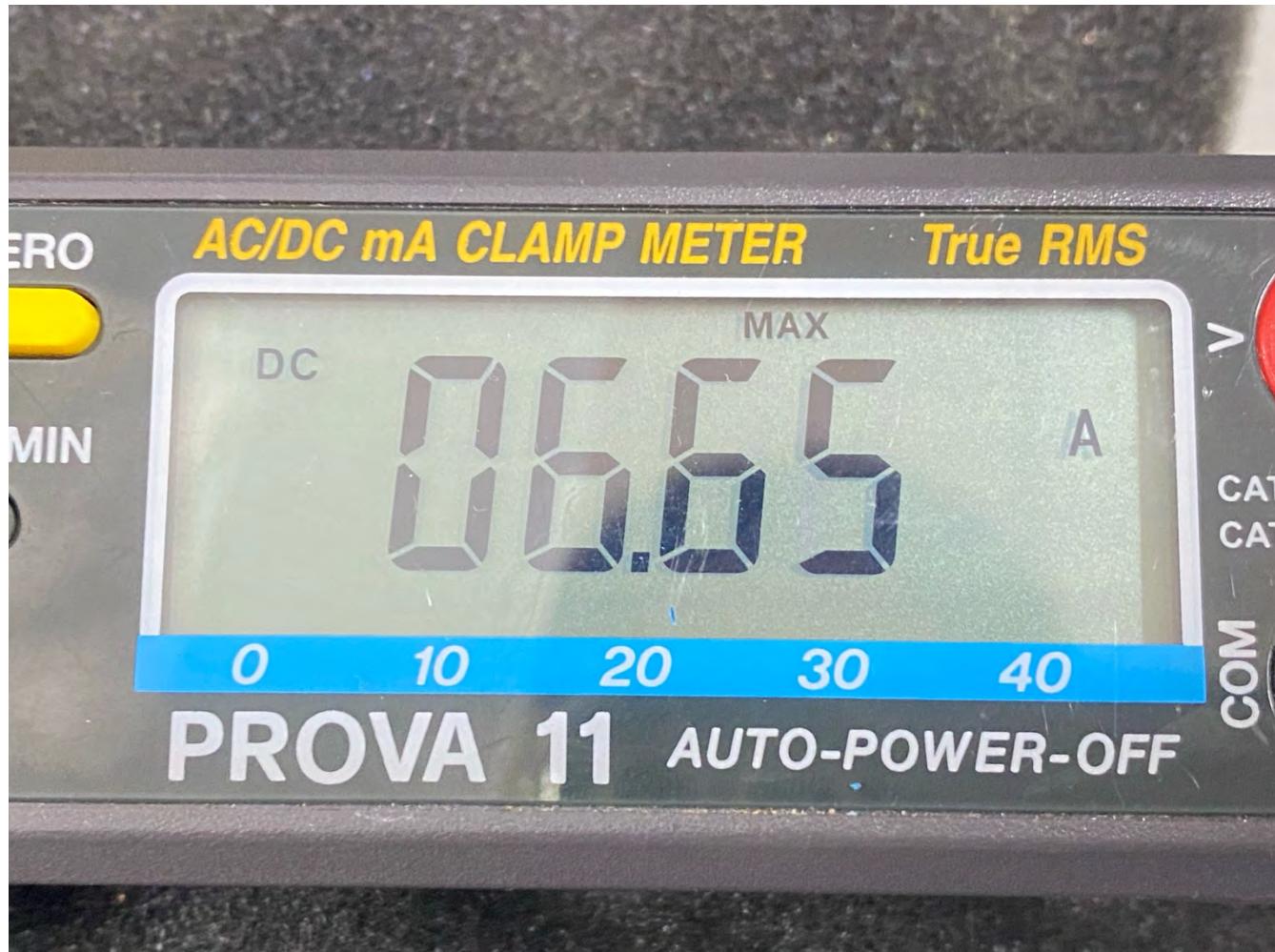
HORUS420-R1

2-3. PEAK INSTANTANEOUS CURRENT AND POWER

Maximum instantaneous current and power measured during the entire period from system power-on to operating system initialization.

The current value was measured at the output terminal of the internal DC-DC redundant board.

Voltage (V)	Peak Instantaneous Current (A)	Peak Instantaneous Power (W)
12.0	6.65	79.8



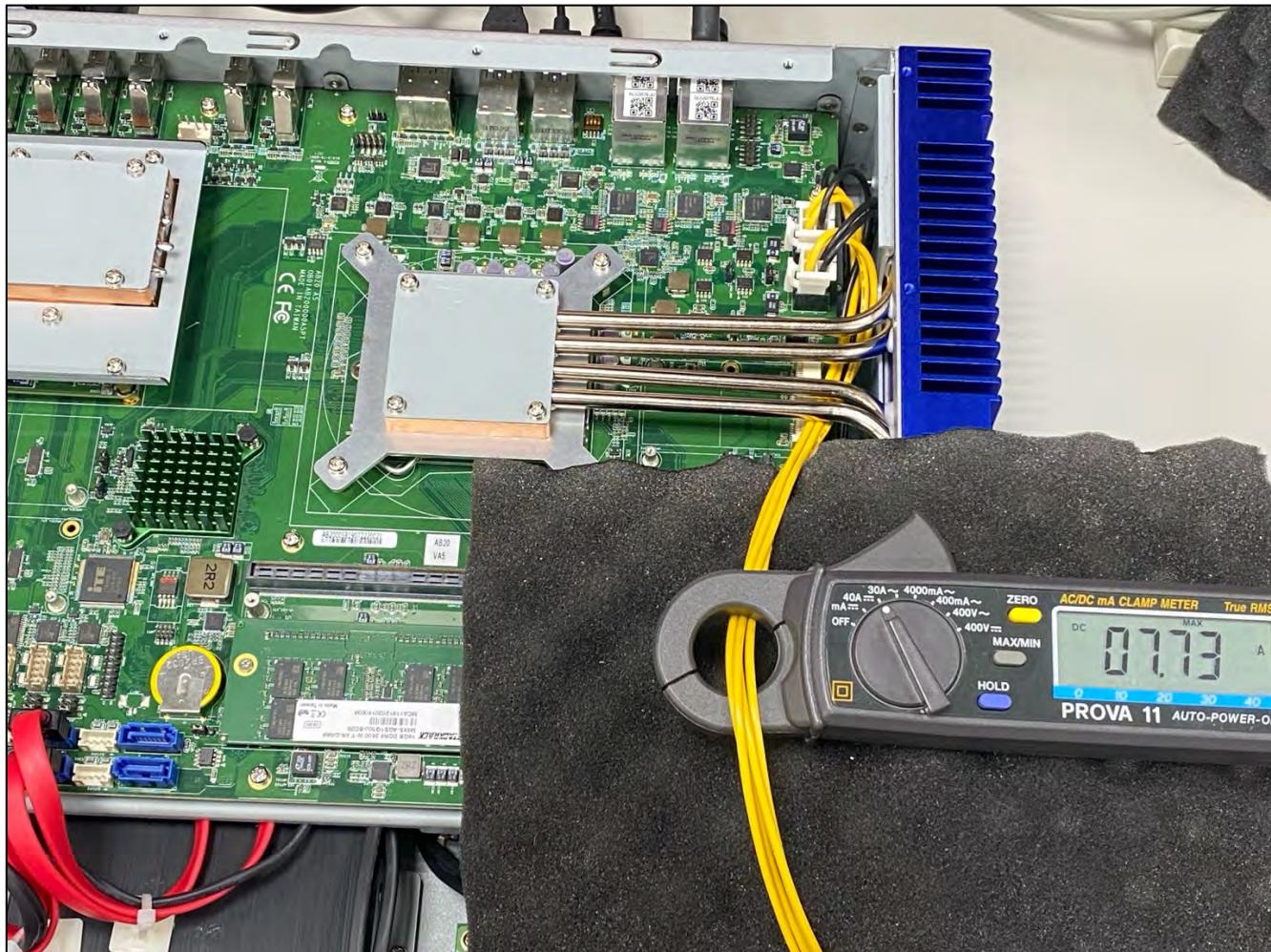
PERFORMANCE TEST REPORT

HORUS420-R1

2-4. POWER CONSUMPTION

The current value was measured at the output terminal of the internal DC-DC redundant board.

Voltage (V)	Current (A)	Wattage (W)
12.0	7.73	92.76

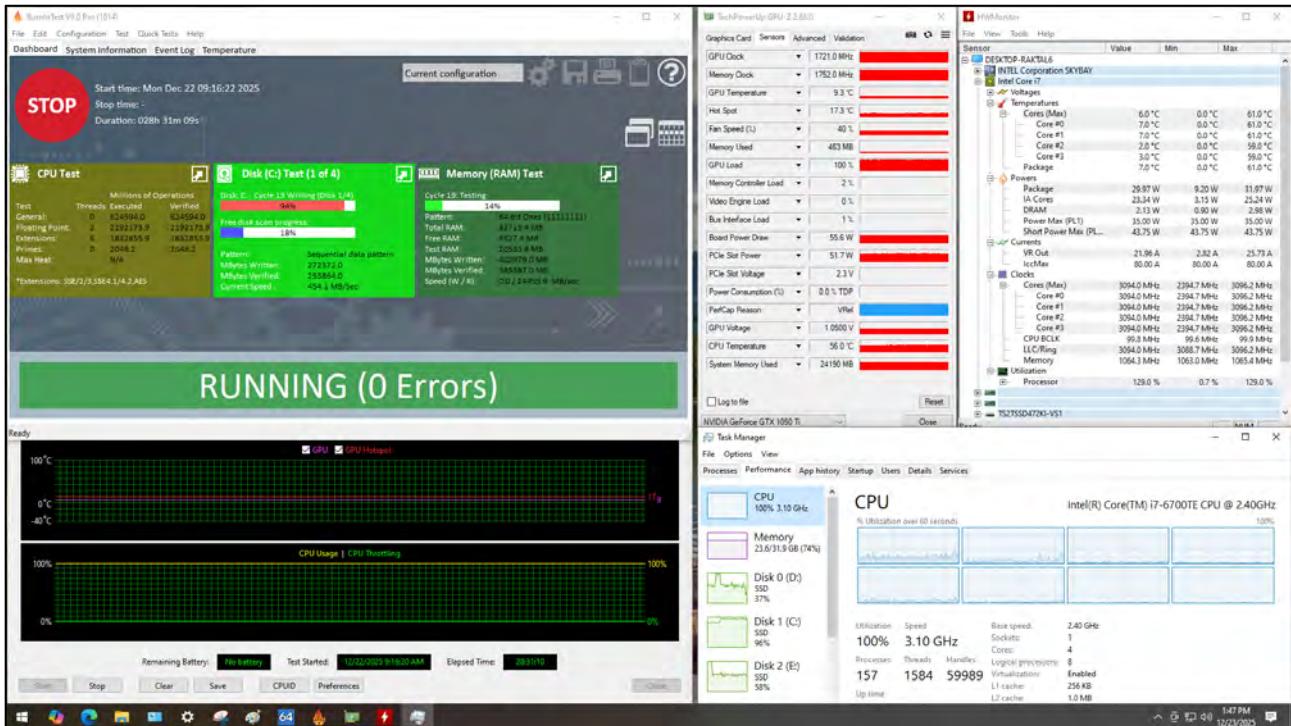


PERFORMANCE TEST REPORT

HORUS420-R1

3. TEST PHOTO IN LAB

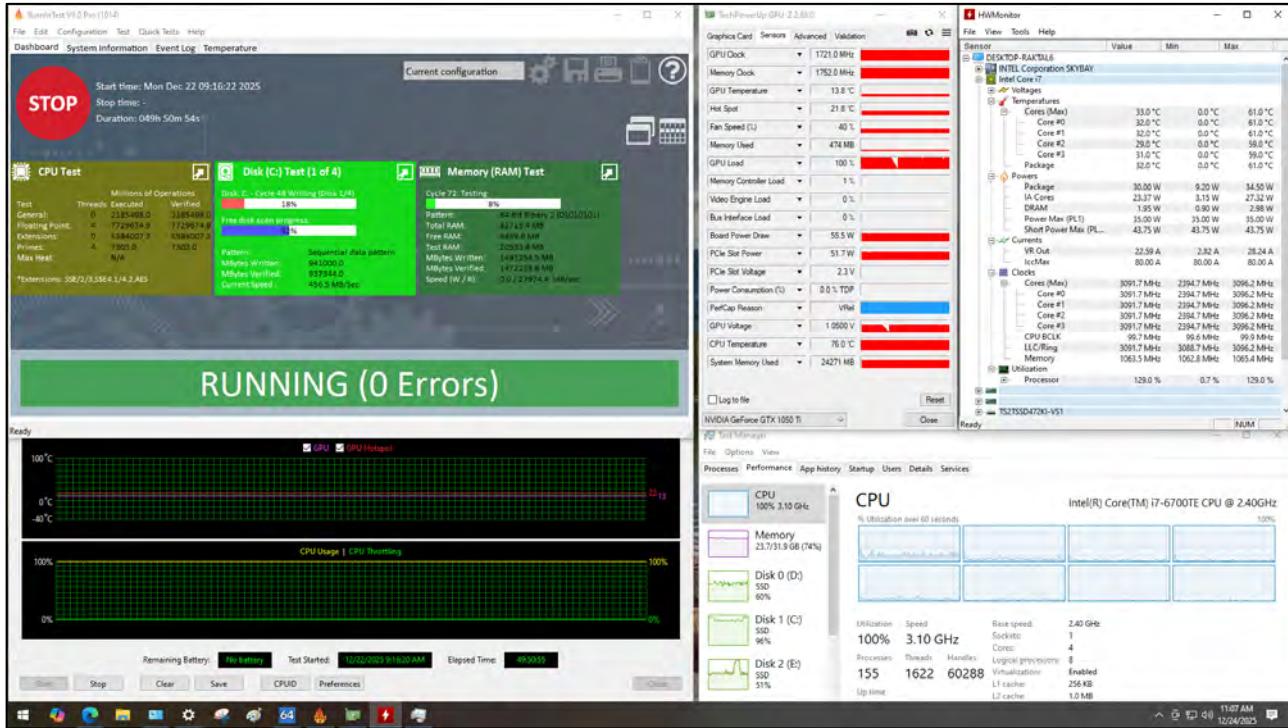
- Chamber in -40°C / 0%RH



PERFORMANCE TEST REPORT

HORUS420-R1

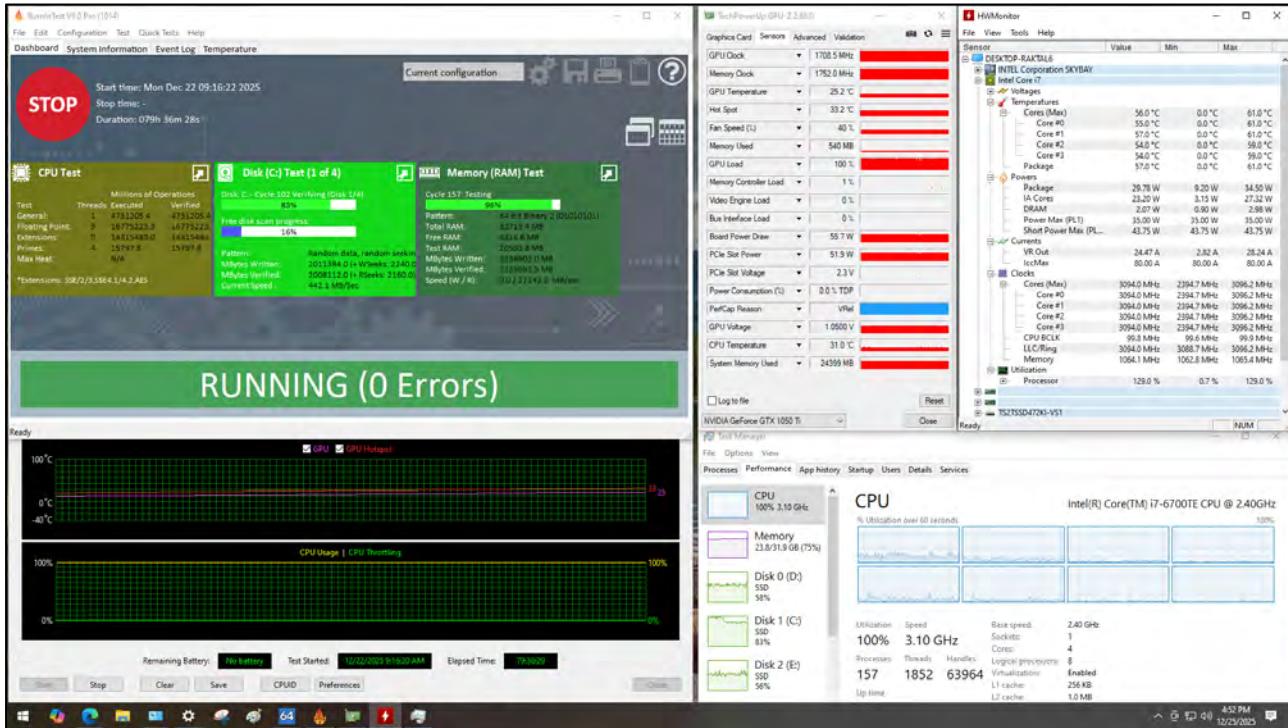
- Chamber in -20°C / 0%RH



PERFORMANCE TEST REPORT

HORUS420-R1

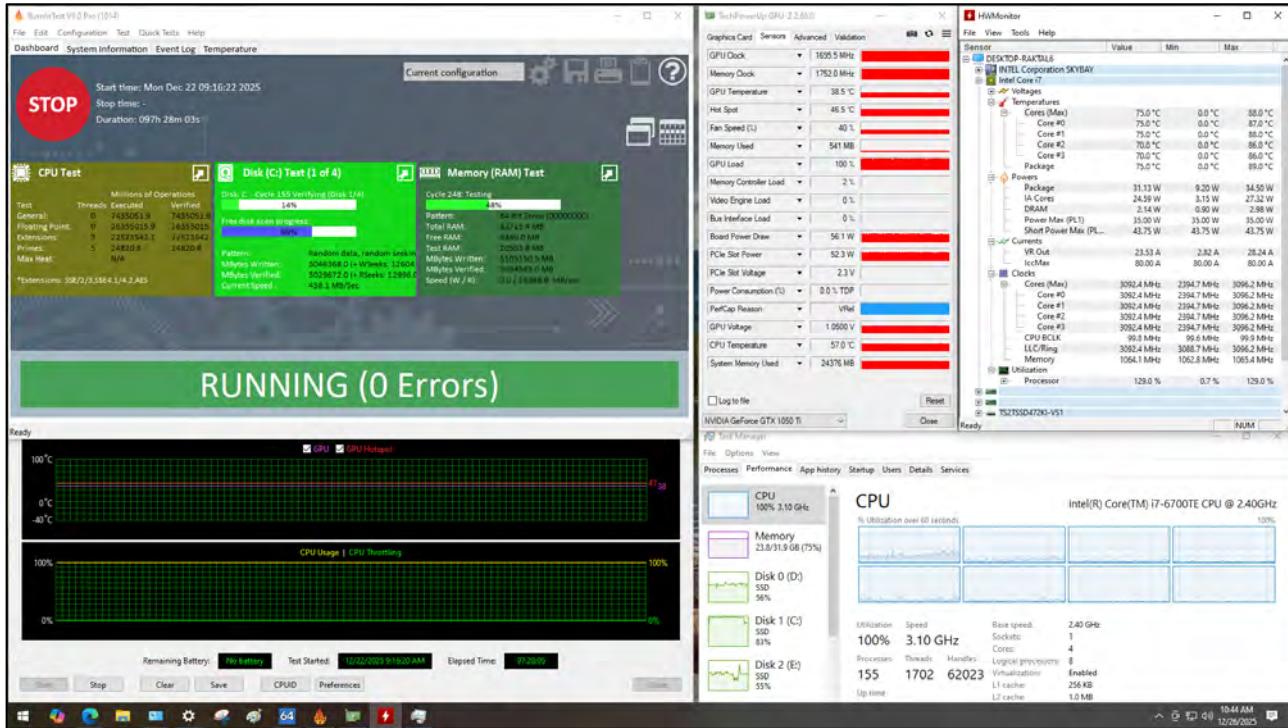
- Chamber in 0°C / 0%RH



PERFORMANCE TEST REPORT

HORUS420-R1

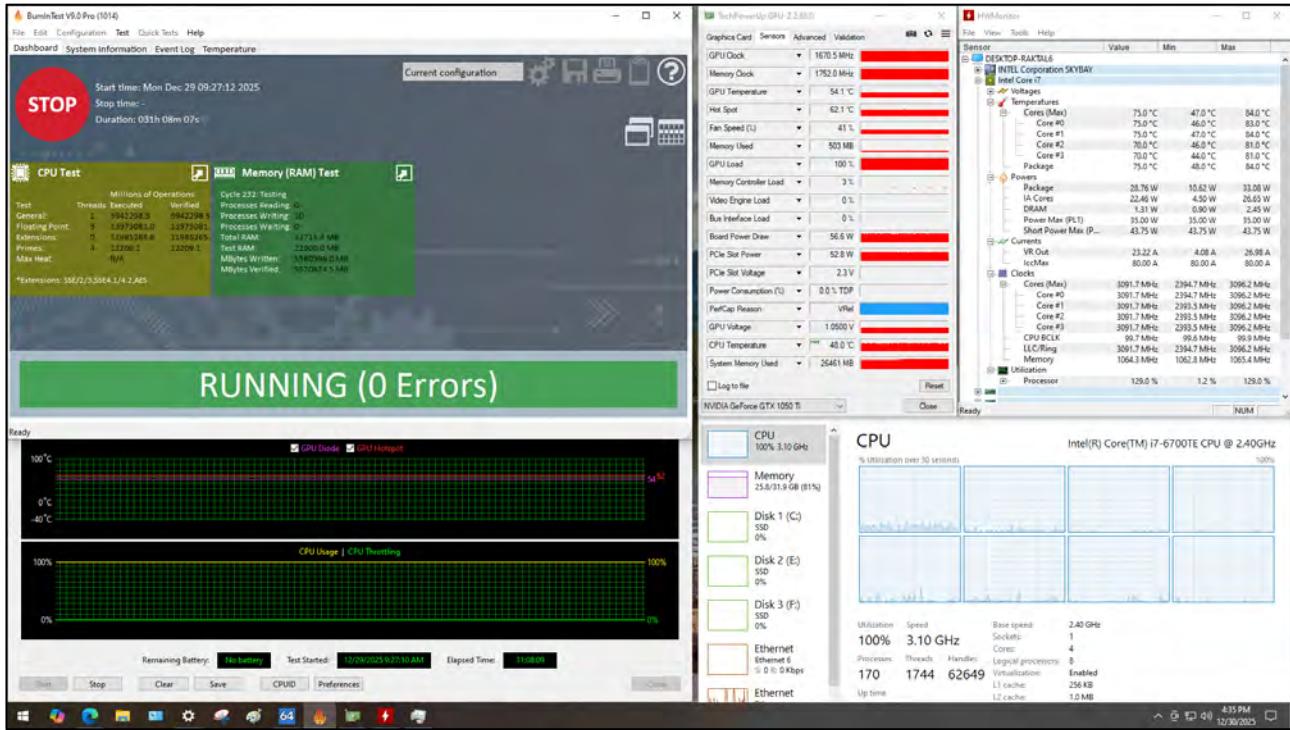
- Chamber in 25°C / 60%RH



PERFORMANCE TEST REPORT

HORUS420-R1

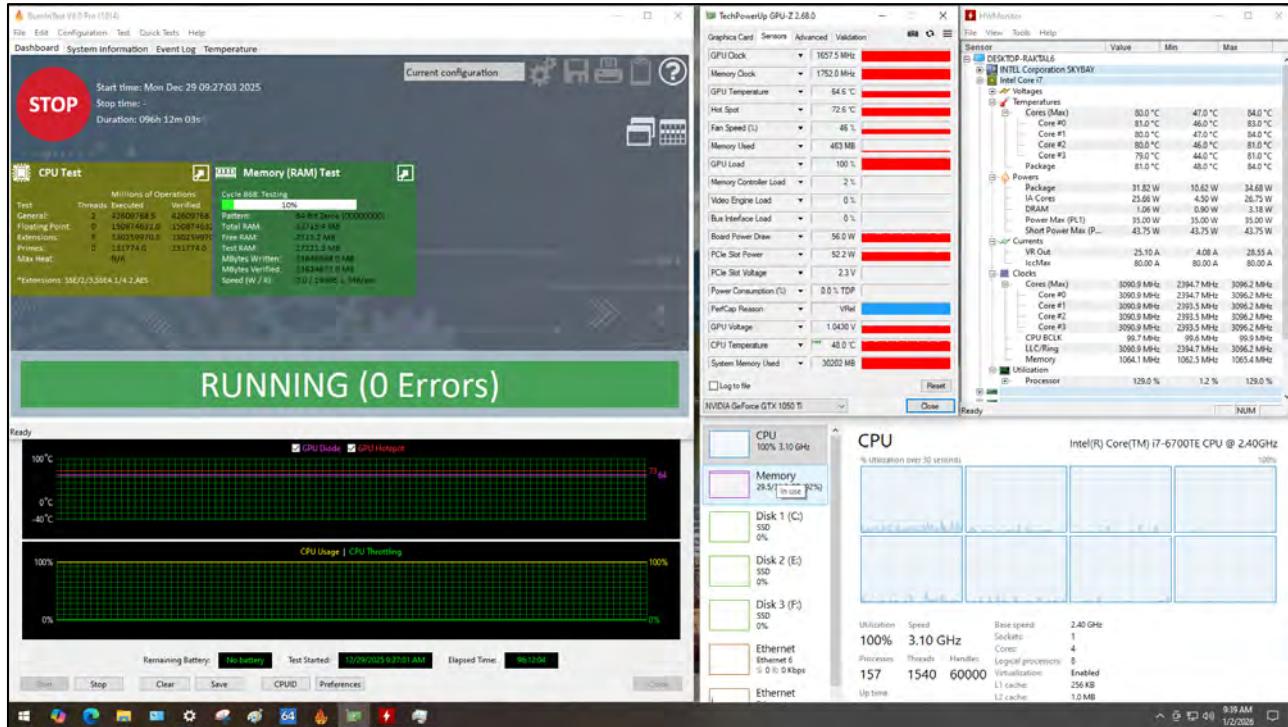
- Chamber in 40°C / 60%RH



PERFORMANCE TEST REPORT

HORUS420-R1

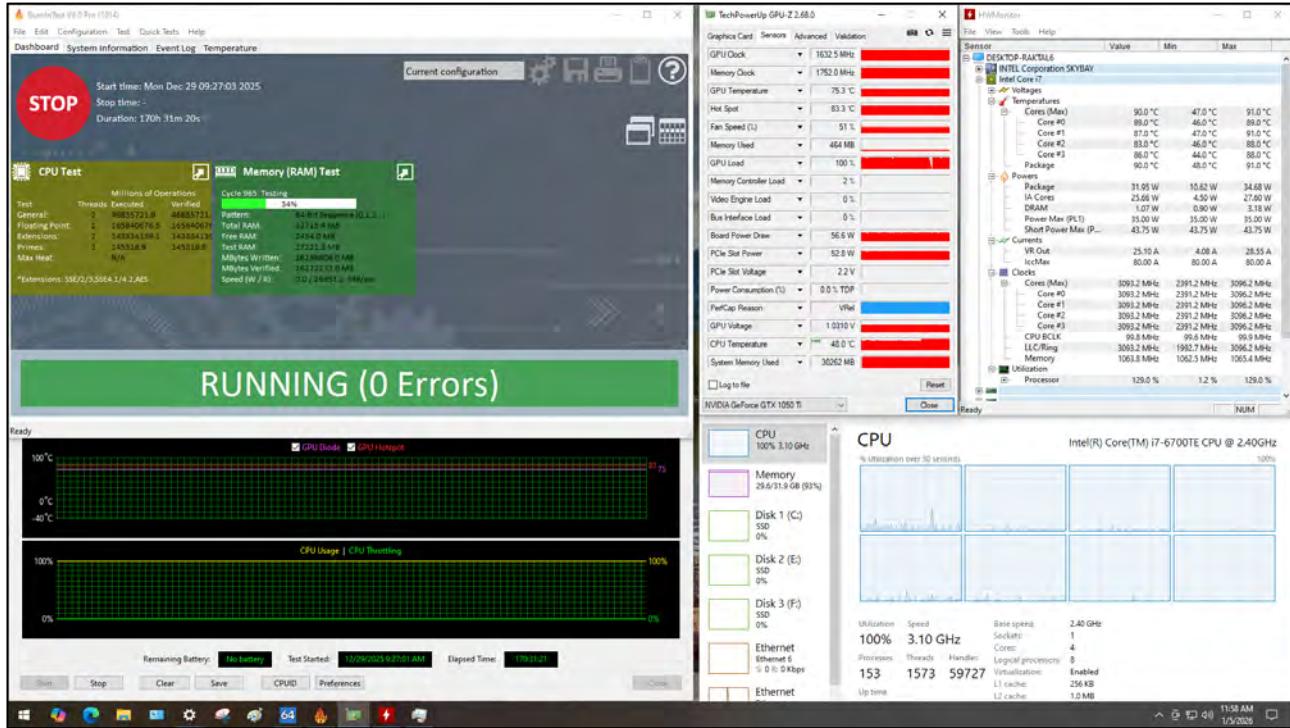
- Chamber in 50°C / 60%RH



PERFORMANCE TEST REPORT

HORUS420-R1

- Chamber in 60°C / 60%RH



PERFORMANCE TEST REPORT

HORUS420-R1

4. THERMAL TEST RESULT(-40°C ~ +60°C)

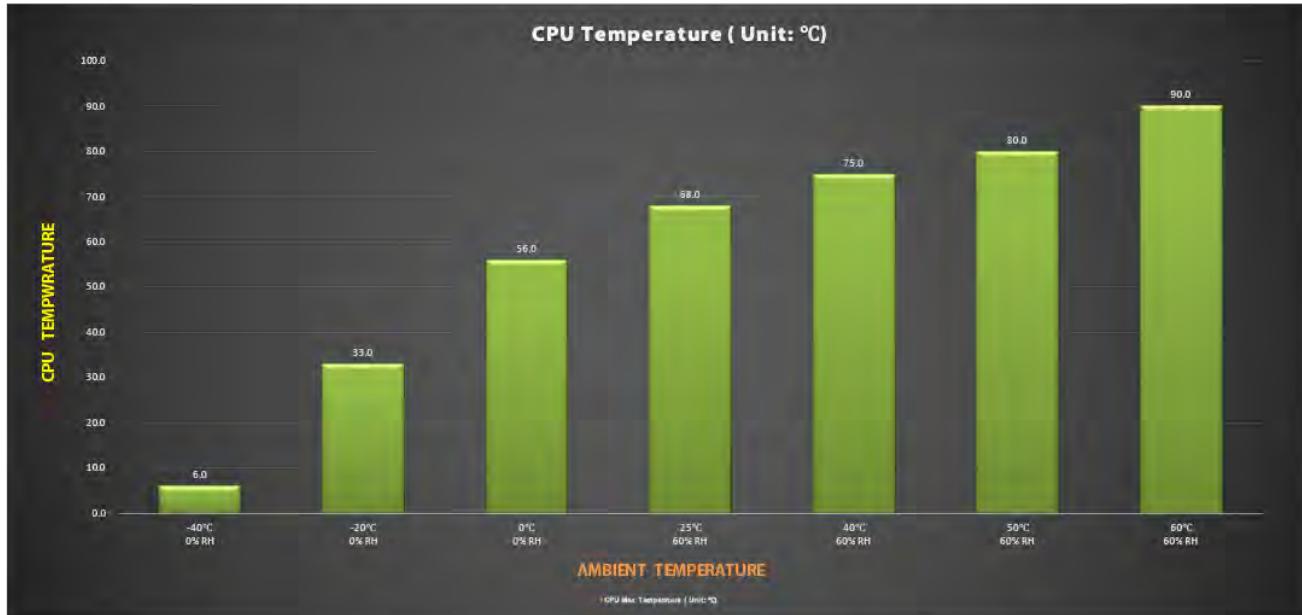
CPU & GPU Temperature and Frequency

Temperature Frequency	Ambient Temp.	-40°C 0% RH	-20°C 0% RH	0°C 0% RH	25°C 60% RH	40°C 60% RH	50°C 60% RH	60°C 60% RH
CPU Max Temperature (Unit: °C)		6.0	33.0	56.0	68.0	75.0	80.0	90.0
CPU Frequency (Unit: GHz)		3.10	3.10	3.10	3.10	3.10	3.10	3.10
GPU Temperature (Unit: °C)		9.3	13.8	25.2	38.5	54.1	64.6	75.3
GPU Hot Spot Temperature (Unit: °C)		17.3	21.8	33.2	46.5	62.1	72.6	83.3
GPU Frequency (Unit: MHz)		1721	1721	1709	1696	1671	1658	1633

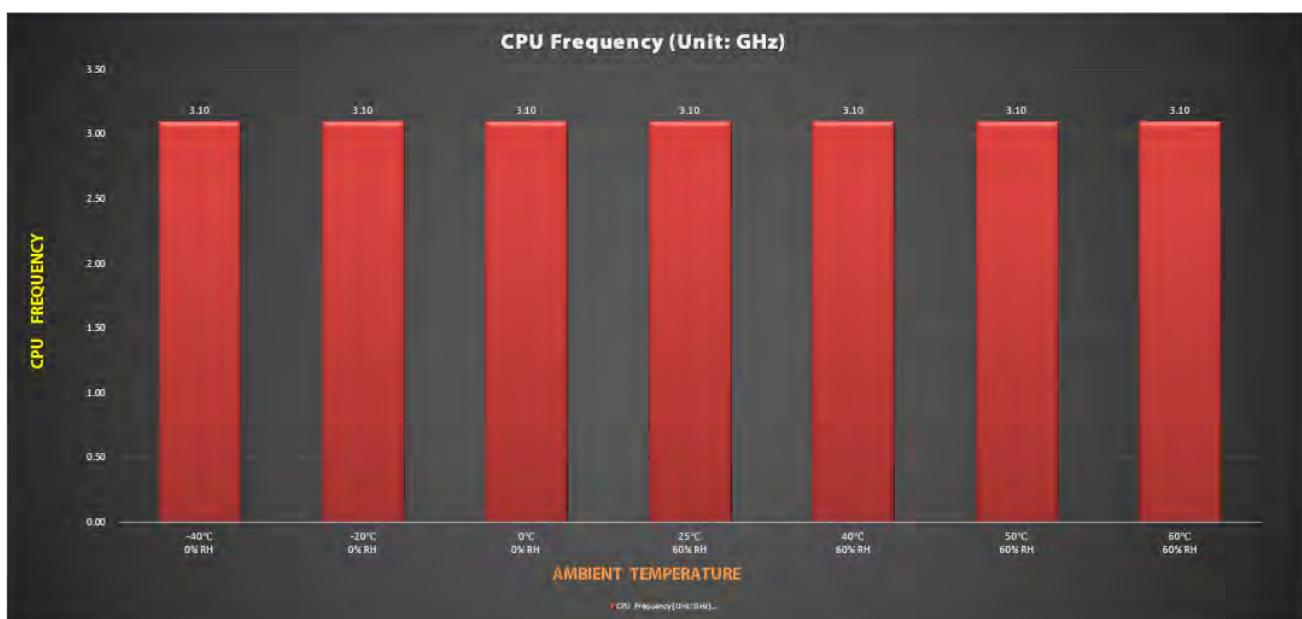
PERFORMANCE TEST REPORT

HORUS420-R1

CPU Core Temperature	Ambient Temperature	-40°C 0% RH	-20°C 0% RH	0°C 0% RH	25°C 60% RH	40°C 60% RH	50°C 60% RH	60°C 60% RH
CPU Max Temperature (Unit: °C)		6.0	33.0	56.0	68.0	75.0	80.0	90.0



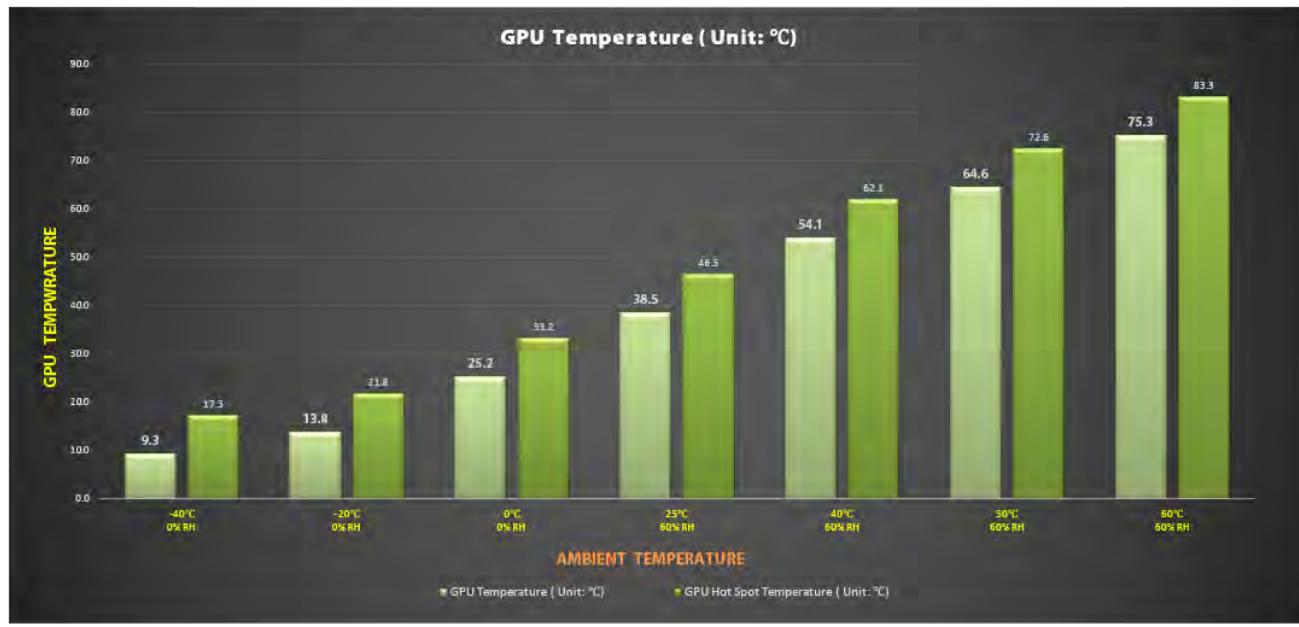
CPU Frequency	Ambient Temperature	-40°C 0% RH	-20°C 0% RH	0°C 0% RH	25°C 60% RH	40°C 60% RH	50°C 60% RH	60°C 60% RH
CPU Frequency (Unit: GHz) Processor Base Frequency: 2.40 GHz		3.10						



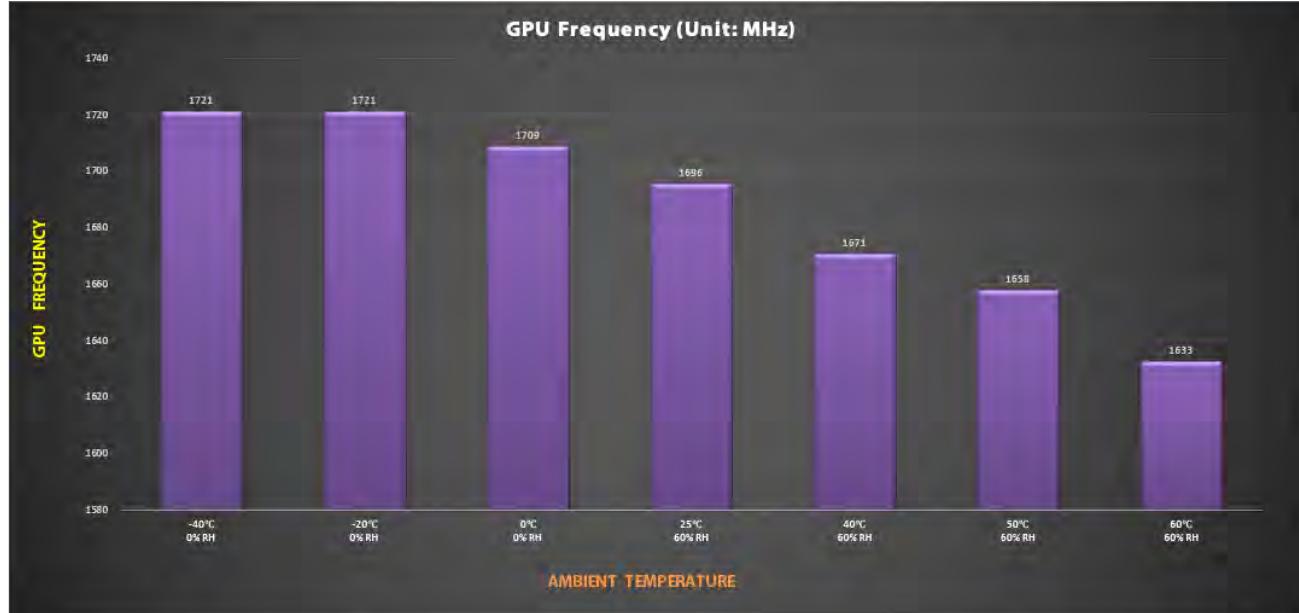
PERFORMANCE TEST REPORT

HORUS420-R1

GPU Temperature	Ambient Temperature	-40°C 0% RH	-20°C 0% RH	0°C 0% RH	25°C 60% RH	40°C 60% RH	50°C 60% RH	60°C 60% RH
GPU Temperature (Unit: °C)		9.3	13.8	25.2	38.5	54.1	64.6	75.3
GPU Hot Spot Temperature (Unit: °C)		17.3	21.8	33.2	46.5	62.1	72.6	83.3



GPU Frequency	Ambient Temperature	-40°C 0% RH	-20°C 0% RH	0°C 0% RH	25°C 60% RH	40°C 60% RH	50°C 60% RH	60°C 60% RH
GPU Frequency (Unit: MHz)		1721	1721	1709	1696	1671	1658	1633



PERFORMANCE TEST REPORT

HORUS420-R1

5. I/O FUNCTION TEST

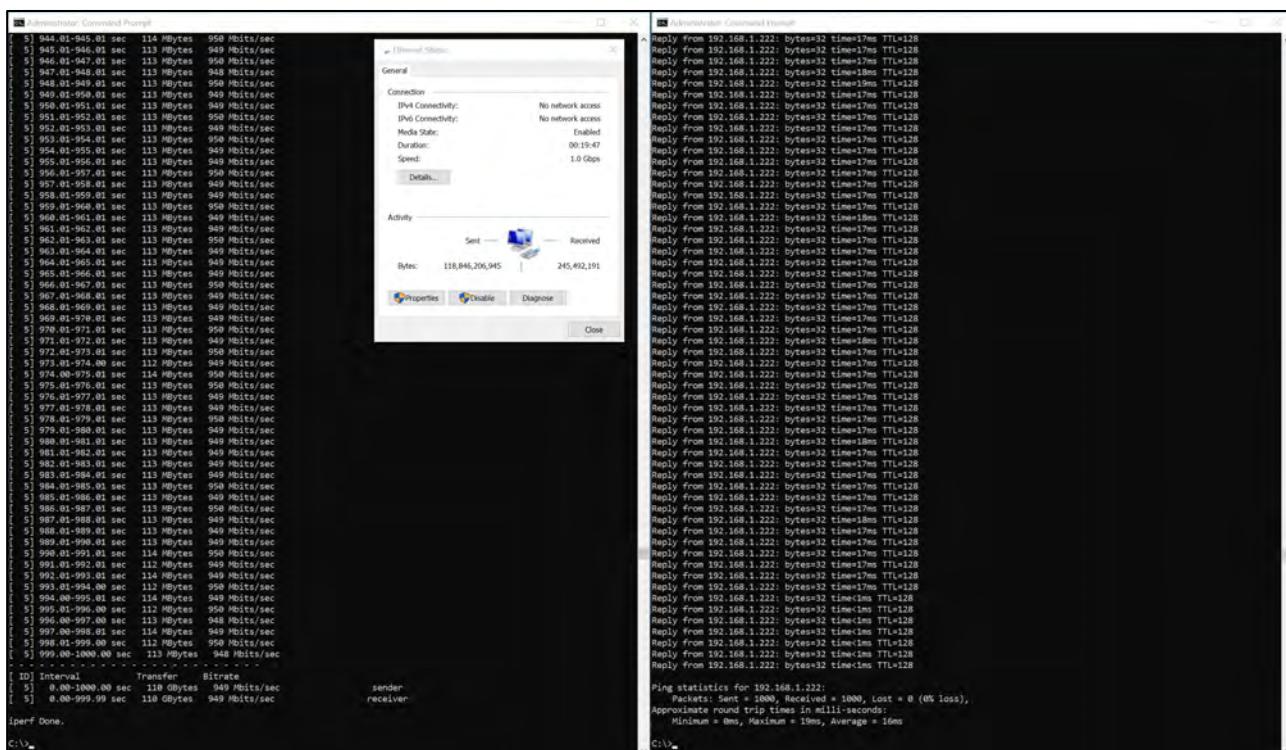
5-1. LAN Port



LAN SPEED

LAN Data-Packet

LAN 1

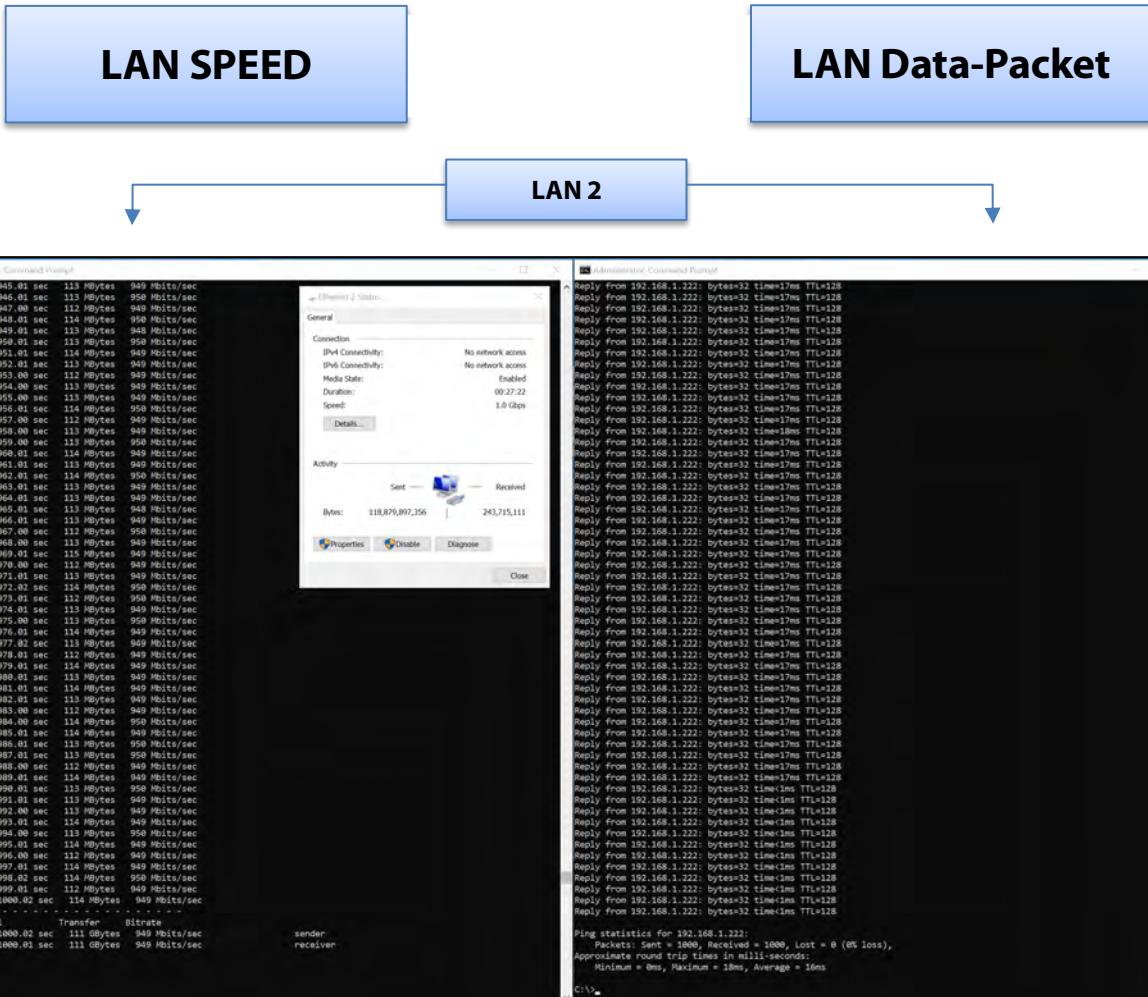


LAN Speed Test Result: Pass

LAN Data-Packet Test Result: 0 Lost (0% loss)

PERFORMANCE TEST REPORT

HORUS420-R1

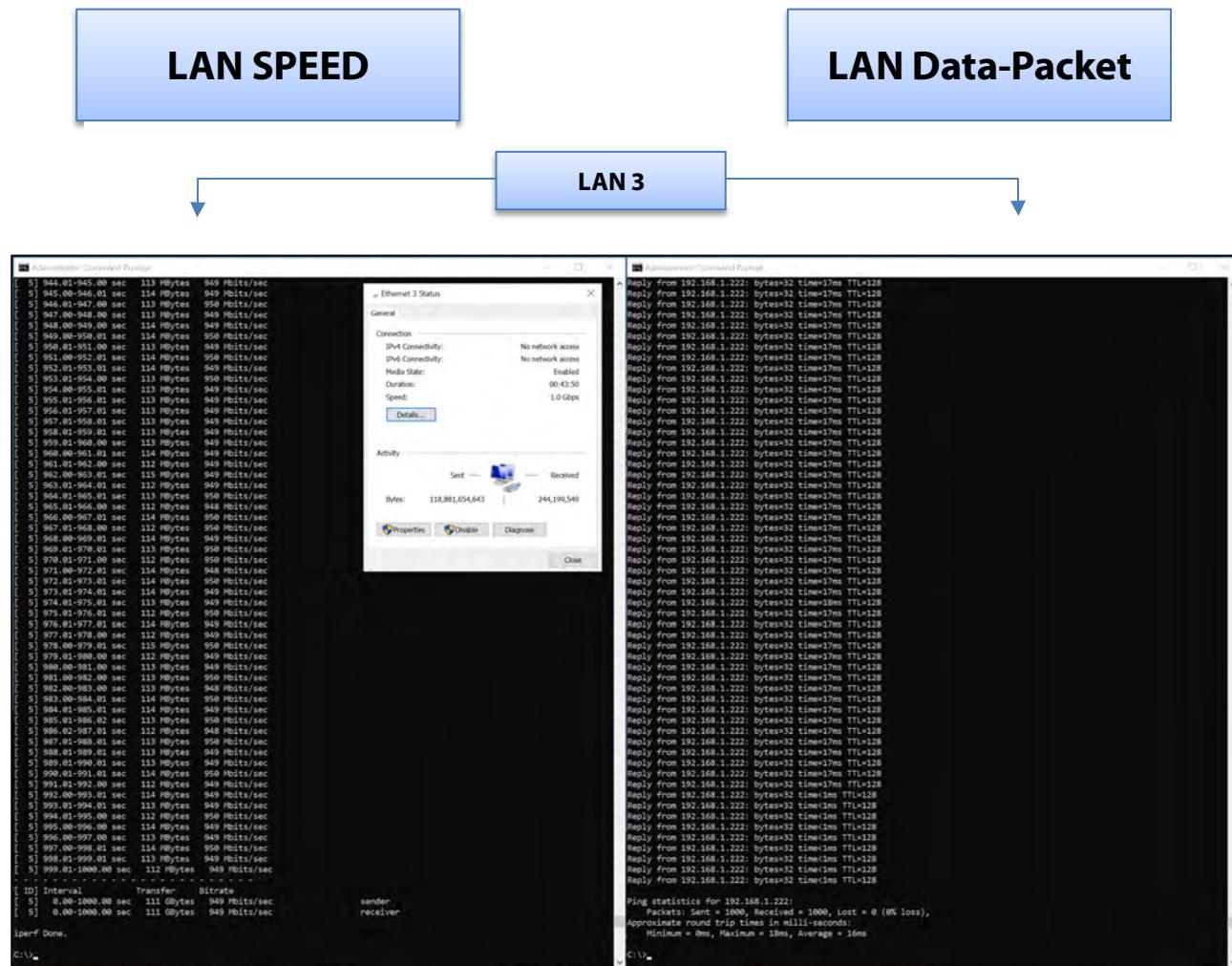


LAN Speed Test Result: Pass

LAN Data-Packet Test Result: 0 Lost (0% loss)

PERFORMANCE TEST REPORT

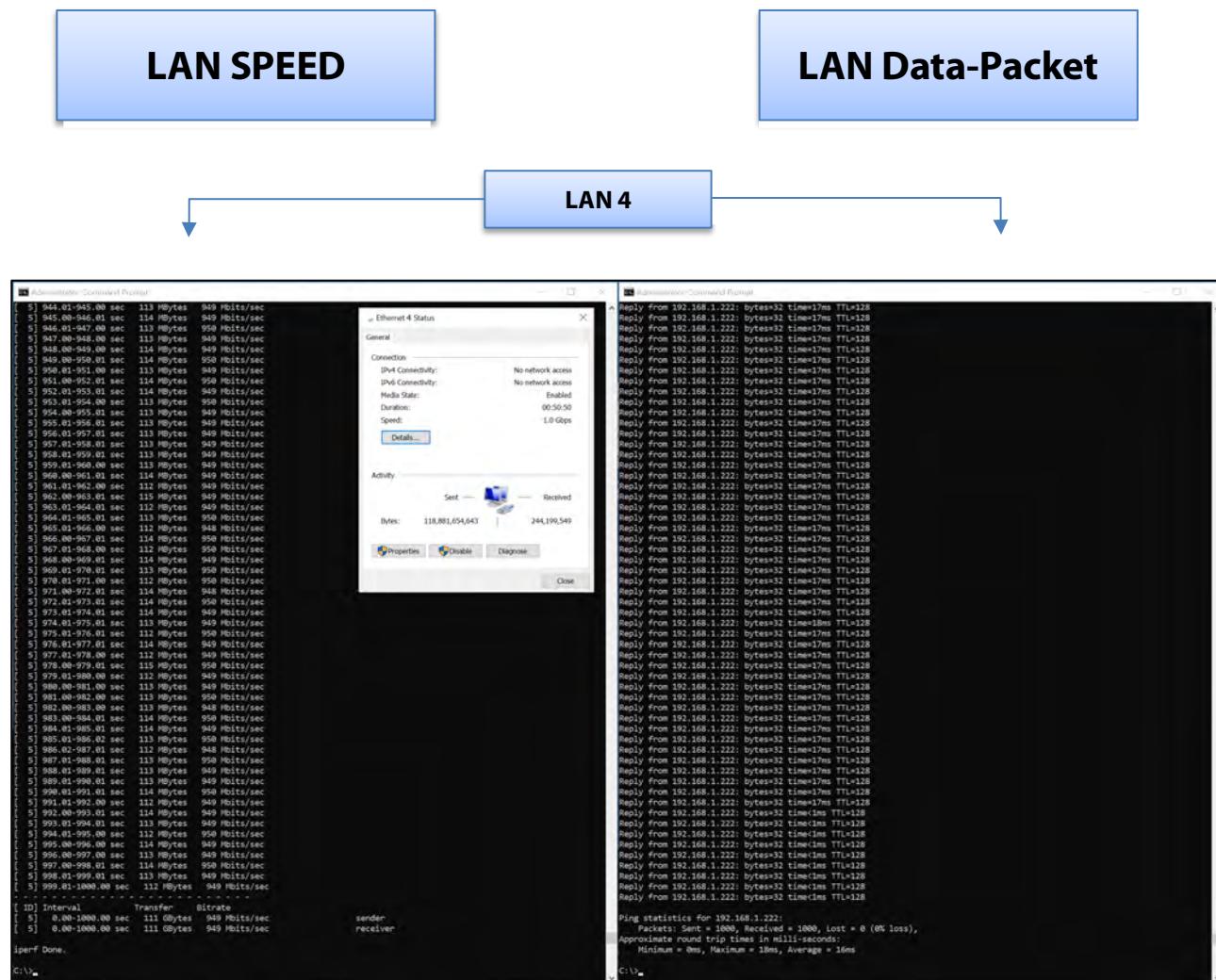
HORUS420-R1



LAN Speed Test Result: Pass
LAN Data-Packet Test Result: 0 Lost (0% loss)

PERFORMANCE TEST REPORT

HORUS420-R1

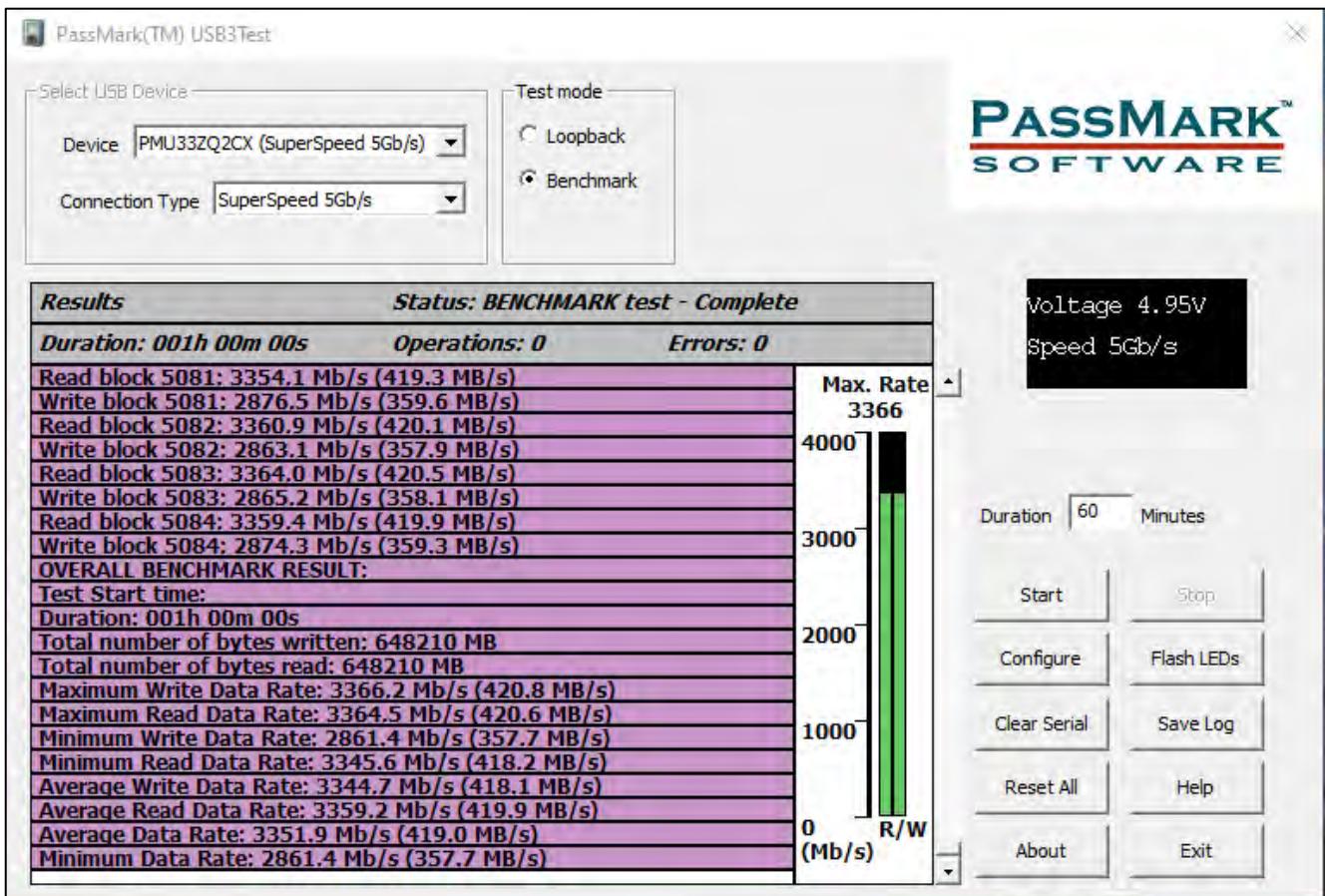


LAN Speed Test Result: Pass
LAN Data-Packet Test Result: 0 Lost (0% loss)

PERFORMANCE TEST REPORT

HORUS420-R1

5-2. USB PORT(REA)



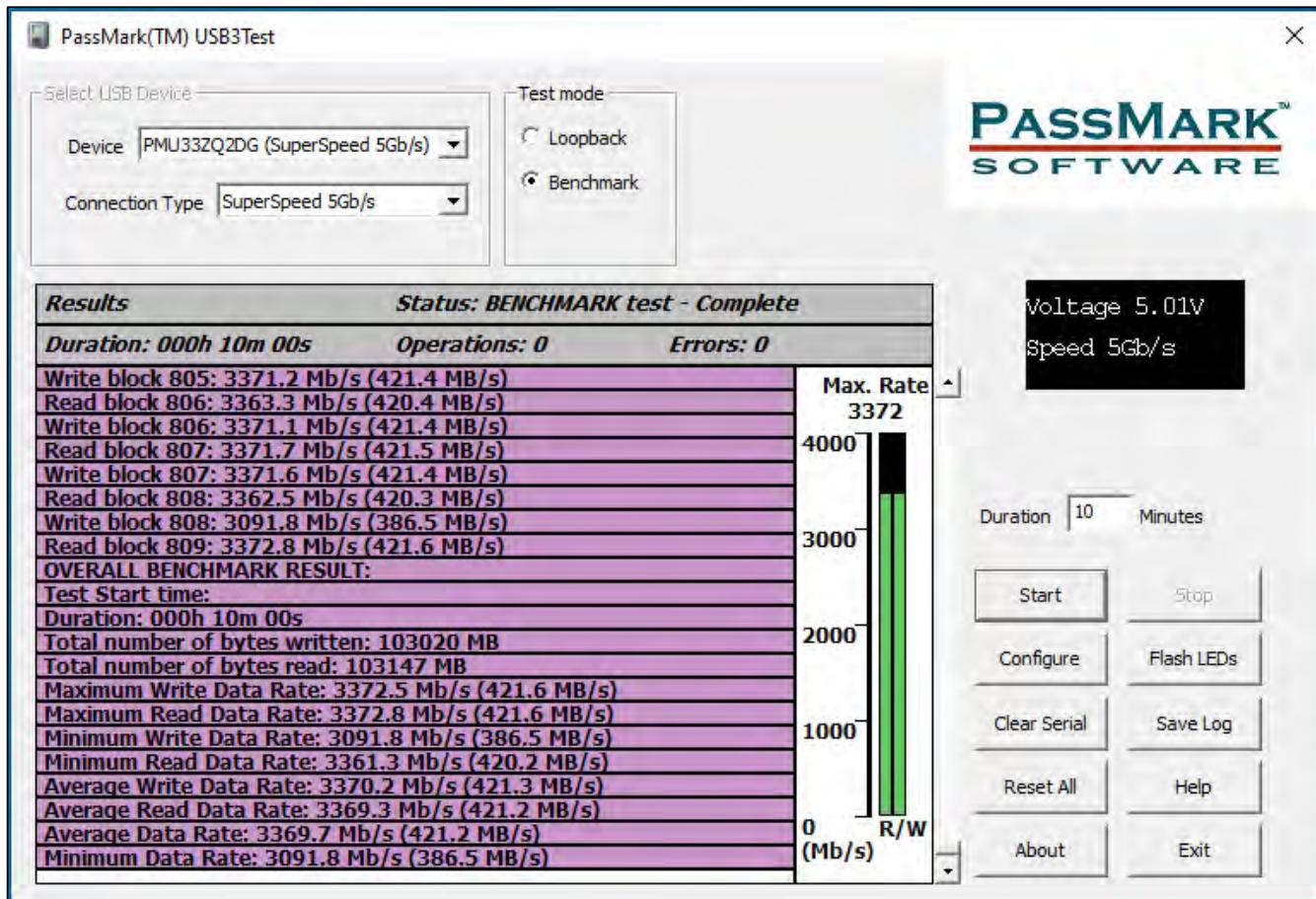
PERFORMANCE TEST REPORT

HORUS420-R1



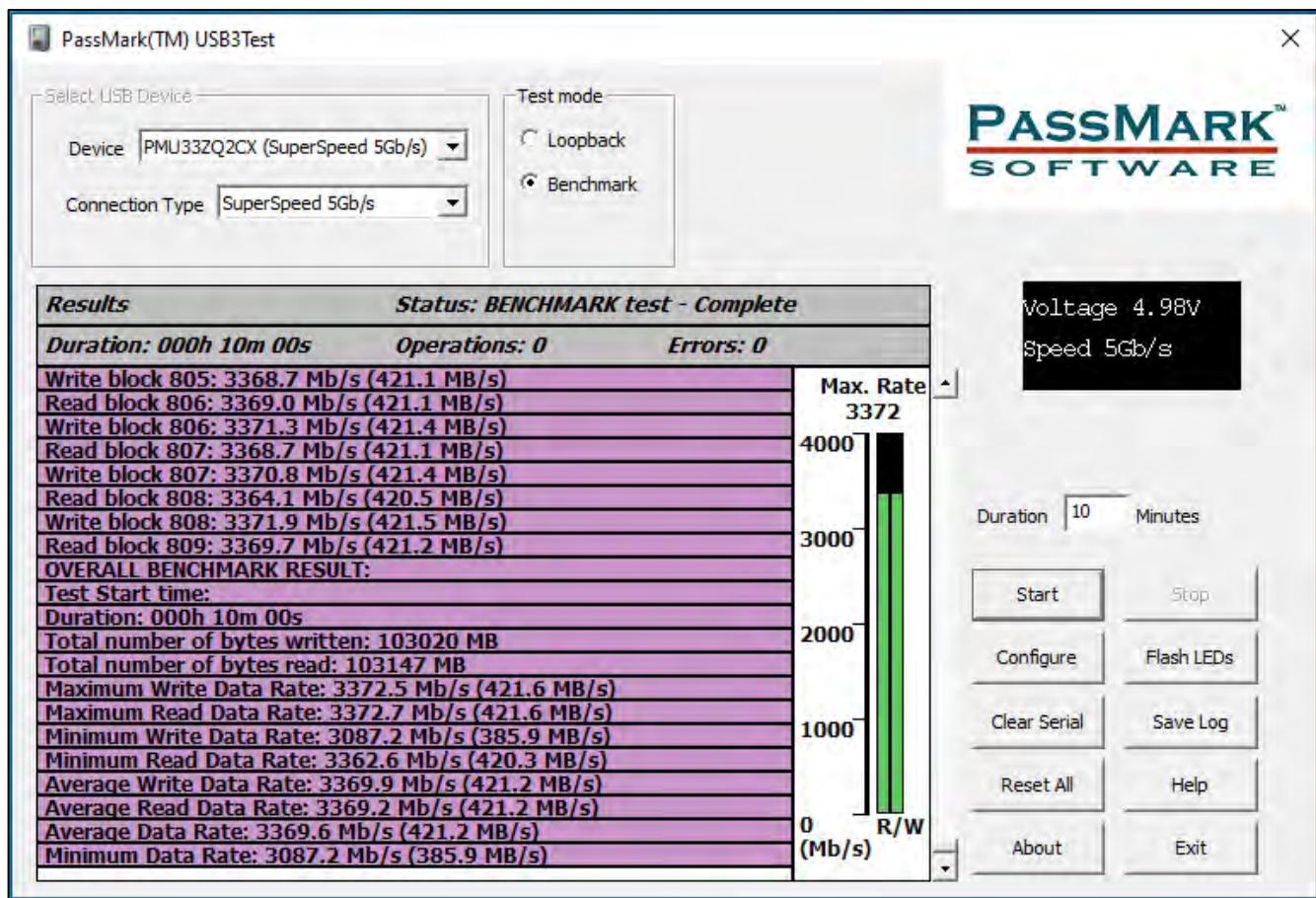
PERFORMANCE TEST REPORT

HORUS420-R1



PERFORMANCE TEST REPORT

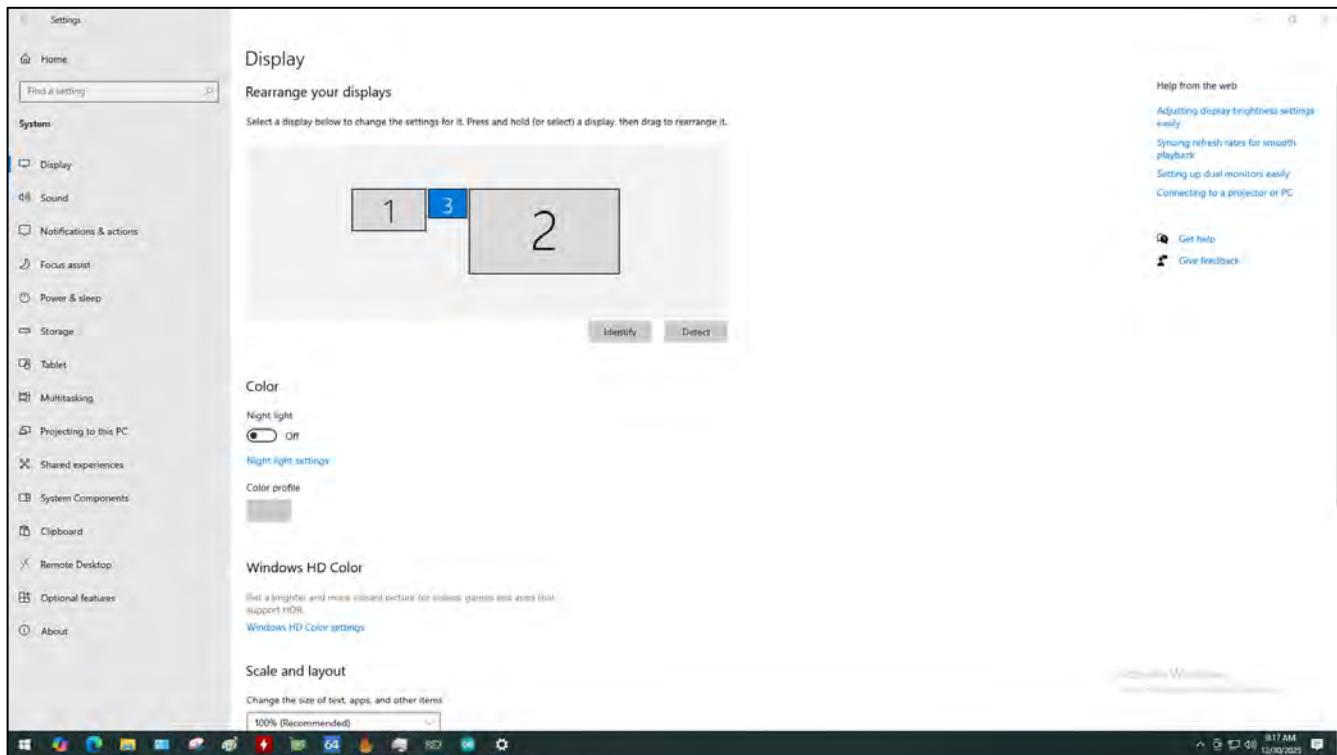
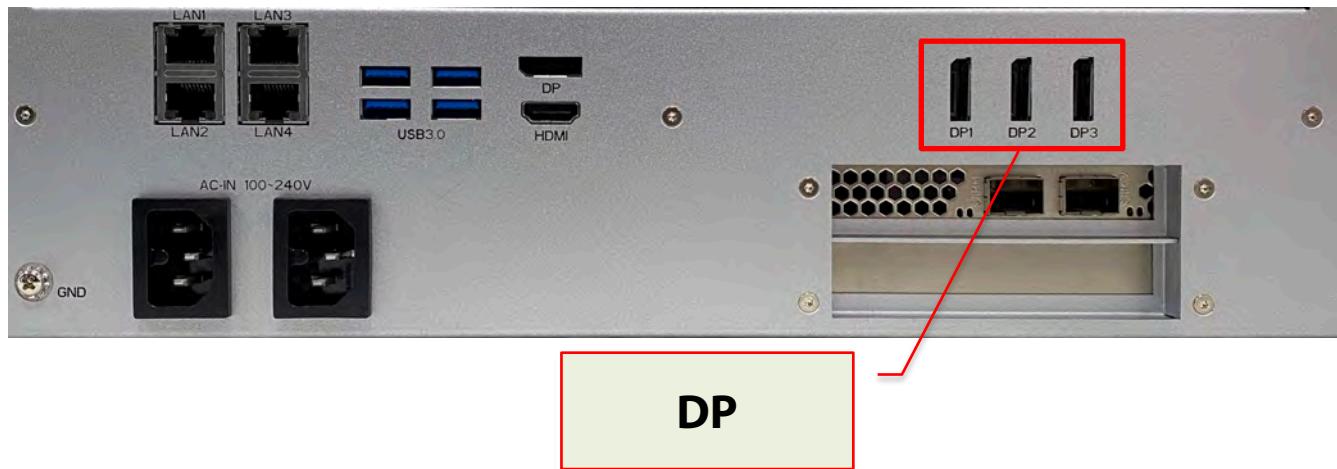
HORUS420-R1



PERFORMANCE TEST REPORT

HORUS420-R1

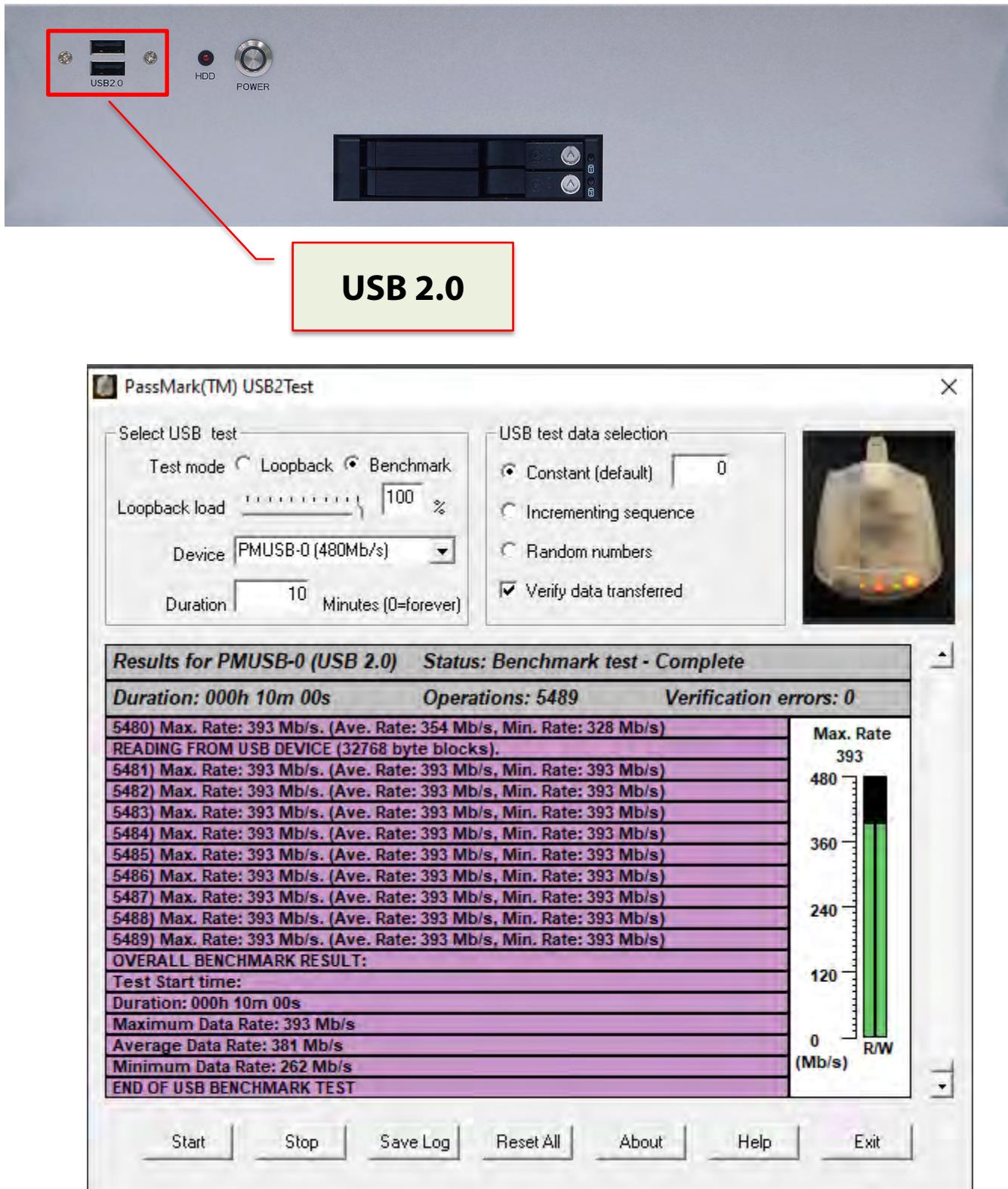
5-3. DISPLAY PORT



PERFORMANCE TEST REPORT

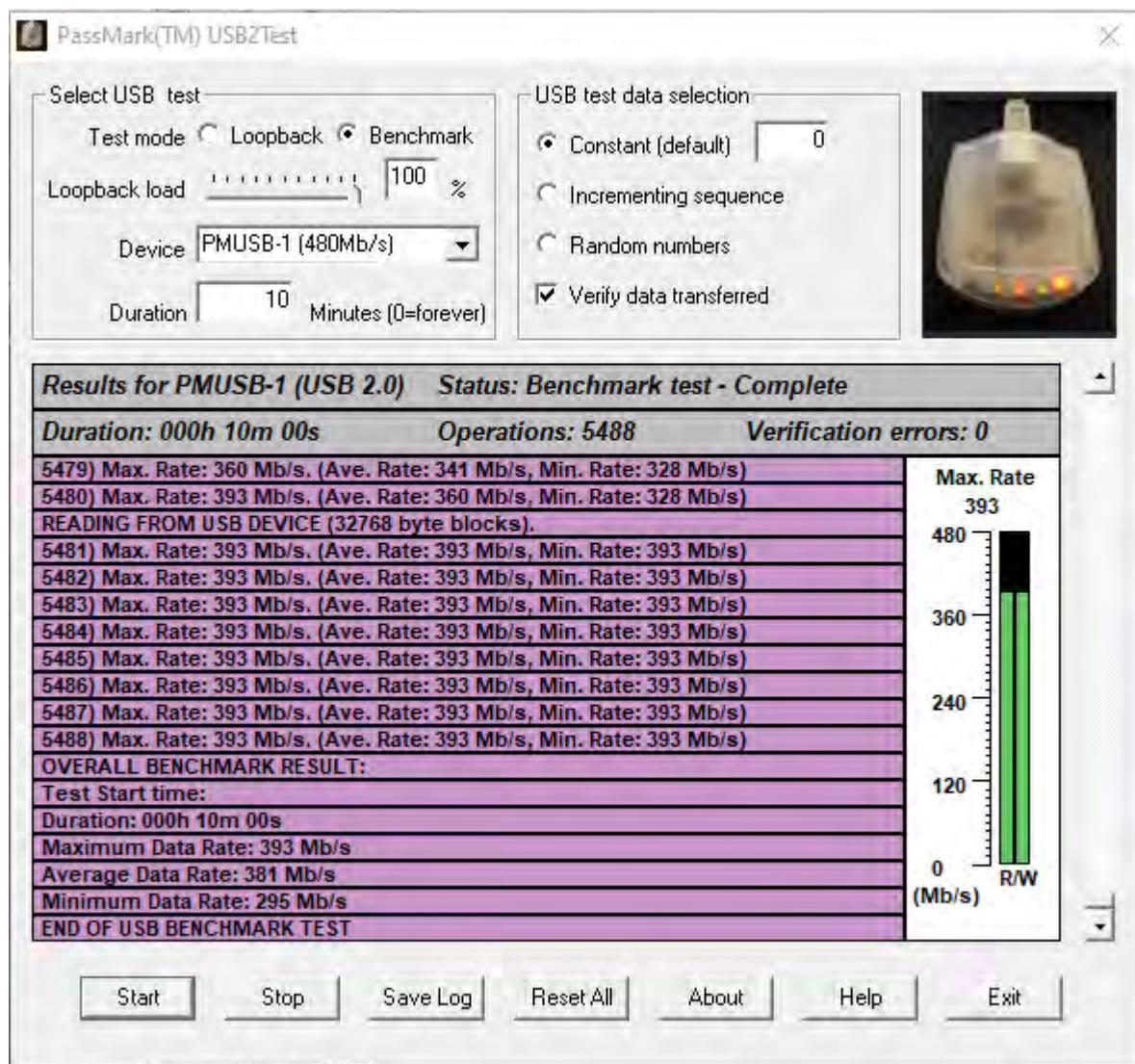
HORUS420-R1

5-4. USB PORT (FRONT)



PERFORMANCE TEST REPORT

HORUS420-R1



-----END-----



PERFORMANCE TEST REPORT

HORUS420-R1

S/N: SR2025100902

Product Manager	Mechanical Engineer	System Engineer	Test Engineer
Honwen Huang	Jeff Lin	Orpheus Hsiung	Mike Chen

PERFORMANCE TEST REPORT

HORUS420-R1



INDEX

1. SPECIFICATION	3
1-1. SYSTEM CONFIGURATION	3
1-2. PRODUCT INTERIOR PHOTO	4
2. TEST PLAN	5
2-1. THERMAL MEASUREMENT PROCESS	5
2-2. TEST RESULT	6
2-2-1. <i>Temperature Cycle</i>	6
2-2-2. <i>I/O Function</i>	7
2-2-3. <i>Low Temperature Power Cycle Test</i>	8
2-3. PEAK INSTANTANEOUS CURRENT AND POWER.....	9
2-4. POWER CONSUMPTION.....	10
3. TEST PHOTO IN LAB	11
4. THERMAL TEST RESULT(-40°C ~ +60°C).....	18
5. I/O FUNCTION TEST	21
5-1. LAN PORT.....	21
5-2. USB PORT(REA) R	25
5-3. DISPLAY PORT	29
5-4. USB PORT (FRONT)	30

1. SPECIFICATION

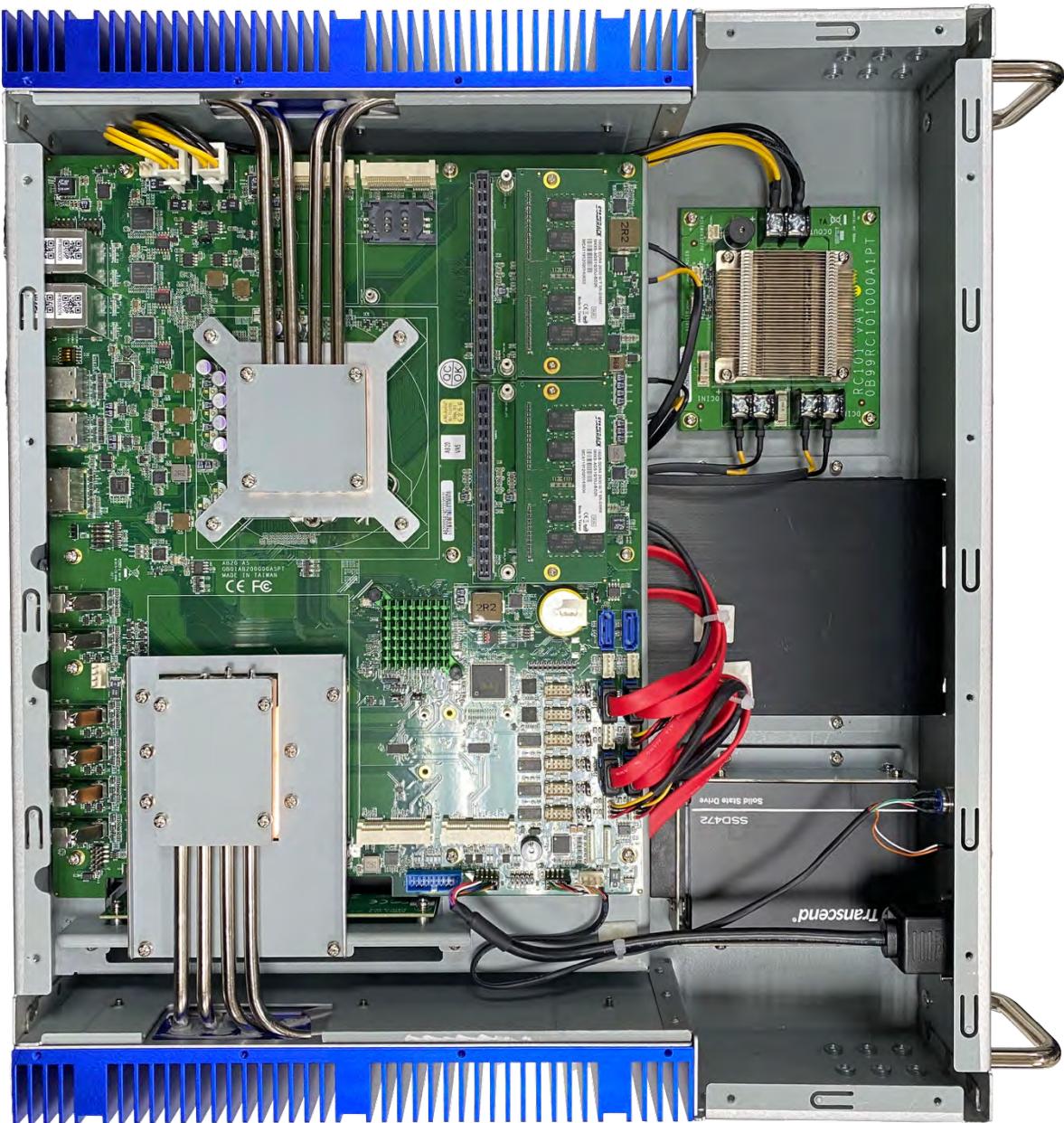
1-1. SYSTEM CONFIGURATION

Motherboard	AB20 BIOS Version: 5.11 SMBIOS Version: 3.0 Supports Intel® LGA 1151 14nm Skylake-S Processor Operating Temp. -40°C~85°C
CPU	Intel® Core™ i7-6700TE Processor Total Cores: 14 Total Cores: 4 Total Threads: 8 Max Turbo Frequency: 3.40 GHz Intel® Turbo Boost Technology 2.0 Frequency‡: 3.40 GHz Processor Base Frequency: 2.40 GHz TDP: 35 W
Memory	32GB DDR4 XR-DIMM
Storage	Internal: 2TB *2 3D TLC SSD External: 2TB *2 3D TLC SSD
GPU	NVIDIA GeForce GTX 1050 Ti Embedded GPU BIOS Version: 86.07.59.00.E3 CUDA parallel-processing cores: 768 CUDA® cores GPU base/boost clock: 1291 MHz / 1392 MHz Max Power Consumption: 75 W
Add-on cards	Perfectron MT201 Intel® 82599ES 10Gb/s 2 x LAN port 2 x SFP+ LAN ports Supports 10Gb/s per port Intel® 82599ES PCIe x8 (Gen2 x8 bus)
Power Module	2 x 200W AC-DC PSU With redundant Power

PERFORMANCE TEST REPORT

HORUS420-R1

1-2. PRODUCT INTERIOR PHOTO



2. TEST PLAN

2-1. THERMAL MEASUREMENT PROCESS

Test Purpose	The purpose of conducting thermal profile testing is to identify potential thermal issues in the Equipment Under Test (EUT). Given that semiconductor failure rates increase significantly with rising junction temperatures, this testing contributes to the overall assessment of product reliability.																								
Test Equipment	1. KSON THS-B4T-150 Chamber.																								
Quantity Tested	Minimum 1 Set																								
Test Software	CPU Stress: PassMark BurnIn Test v9.0 GPU Stress: AIDA64 Business v6.90 LAN Speed Test: iPerf3																								
Test Procedure	<p>1. Thermal Pre-Scan Measurement: Temperature Range: -40°C to 60°C Humidity Condition: 60% RH (when temperature exceeds 25°C)</p> <p>2. Actual Thermal Measurement Procedure:</p> <ol style="list-style-type: none"> 2.1. Identify the test points using the infrared thermal image and attach thermocouples to the identified hot spots. 2.2. Place the Equipment Under Test (EUT) in the thermal chamber and configure the test temperature profile according to the specified requirements. 2.3. Power on the EUT after closing the thermal chamber. Boot into Windows 11 Pro and initiate a maximum power consumption and stress test. 2.4. After running the test software continuously for 8 hours, record the peak temperature observed at each thermocouple measurement point. 2.5. Power off both the thermal chamber and the EUT. 2.6. Verify that the recorded temperature data for each component remains within its specified operating temperature range, as defined in the component specification or approval documents. 																								
Test Diagram of Curves	<p>Environment defines for 174 hours.</p> <table border="1"> <caption>Temperature and Humidity Data Points</caption> <thead> <tr> <th>Time (hour)</th> <th>Temperature (°C)</th> <th>Humidity (%RH)</th> </tr> </thead> <tbody> <tr><td>1.0</td><td>24.0</td><td>0</td></tr> <tr><td>50.0</td><td>25.0</td><td>0</td></tr> <tr><td>74.0</td><td>49.0</td><td>0</td></tr> <tr><td>99.0</td><td>40.0</td><td>0</td></tr> <tr><td>124.0</td><td>50.0</td><td>60</td></tr> <tr><td>149.0</td><td>50.0</td><td>60</td></tr> <tr><td>174.0</td><td>60.0</td><td>0</td></tr> </tbody> </table>	Time (hour)	Temperature (°C)	Humidity (%RH)	1.0	24.0	0	50.0	25.0	0	74.0	49.0	0	99.0	40.0	0	124.0	50.0	60	149.0	50.0	60	174.0	60.0	0
Time (hour)	Temperature (°C)	Humidity (%RH)																							
1.0	24.0	0																							
50.0	25.0	0																							
74.0	49.0	0																							
99.0	40.0	0																							
124.0	50.0	60																							
149.0	50.0	60																							
174.0	60.0	0																							

PERFORMANCE TEST REPORT

HORUS420-R1

2-2. TEST RESULT

2-2-1. 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
-40°C / 0%RH	PASS
-20°C / 0%RH	PASS
0°C / 0%RH	PASS
25°C / 60%RH	PASS
40°C / 60%RH	PASS
50°C / 60%RH	PASS
60°C / 60%RH	PASS

PERFORMANCE TEST REPORT

HORUS420-R1

2-2-2. I/O Function

Confirm that the system specifications and all input/output (I/O) interfaces are correctly configured and functioning as intended, in accordance with the defined technical standards.

Item	Test Criteria	Result
USB 2.0	A PassMark USB_2.0 Loopback was connected for testing and was found to be functioning normally.	PASS
USB 3.0	A PassMark USB_3.0 Loopback was connected for testing and was found to be functioning normally.	PASS
Display Port	The DP output has been verified to be working properly, and the resolution can be adjusted according to the monitor size.	PASS
1GbE LAN	Data transmission via connection to a 1 Gbps LAN switch has been tested. The transfer speed meets the required standard with zero packet loss, confirming normal functionality.	PASS
10GbE LAN	Data transmission via connection to a 10 Gbps LAN switch has been tested. The transfer speed meets the required standard with zero packet loss, confirming normal functionality.	PASS

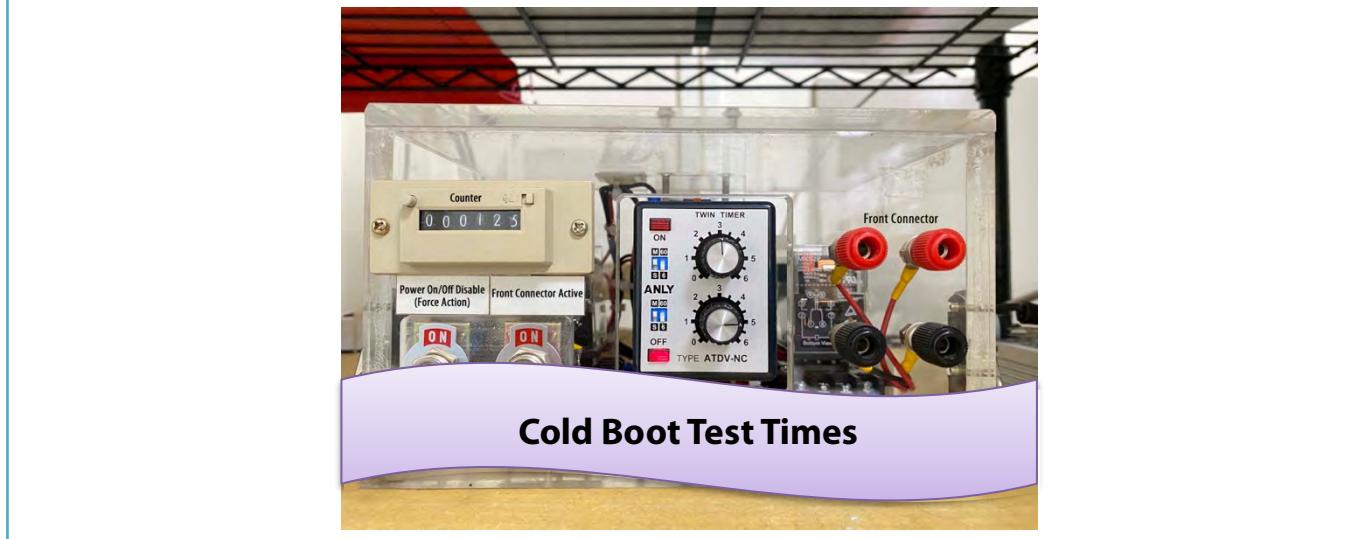
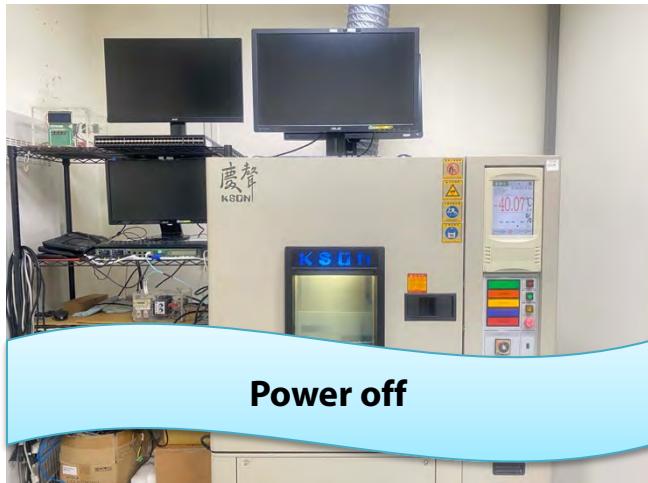
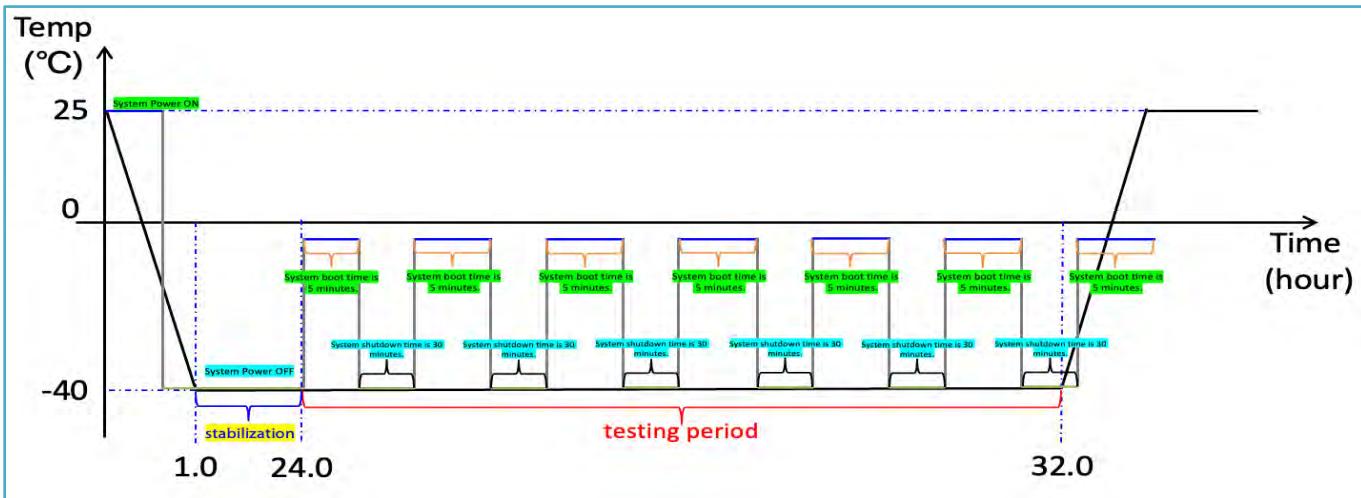
PERFORMANCE TEST REPORT

HORUS420-R1

2-2-3. Low Temperature Power Cycle Test

Apply power to the system under a -40°C ambient condition and confirm successful system boot-up, ensuring stable initialization and operation at low temperatures.

Ambient Temp.	Cold Boot Test Times	Test Result
-40°C	125 times	PASS



PERFORMANCE TEST REPORT

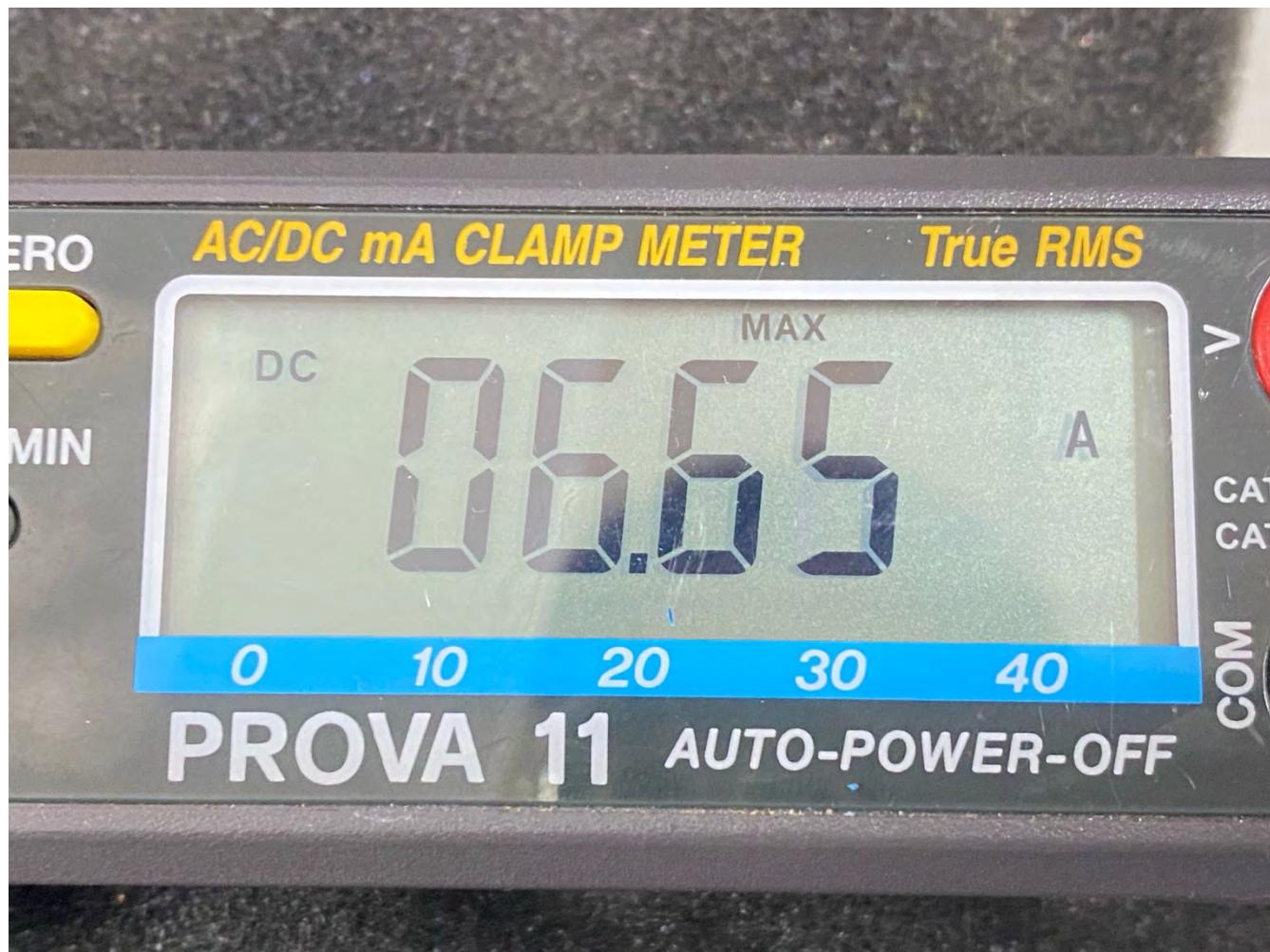
HORUS420-R1

2-3. PEAK INSTANTANEOUS CURRENT AND POWER

Maximum instantaneous current and power measured during the entire period from system power-on to operating system initialization.

The current value was measured at the output terminal of the internal DC-DC redundant board.

Voltage (V)	Peak Instantaneous Current (A)	Peak Instantaneous Power (W)
12.0	6.65	79.8



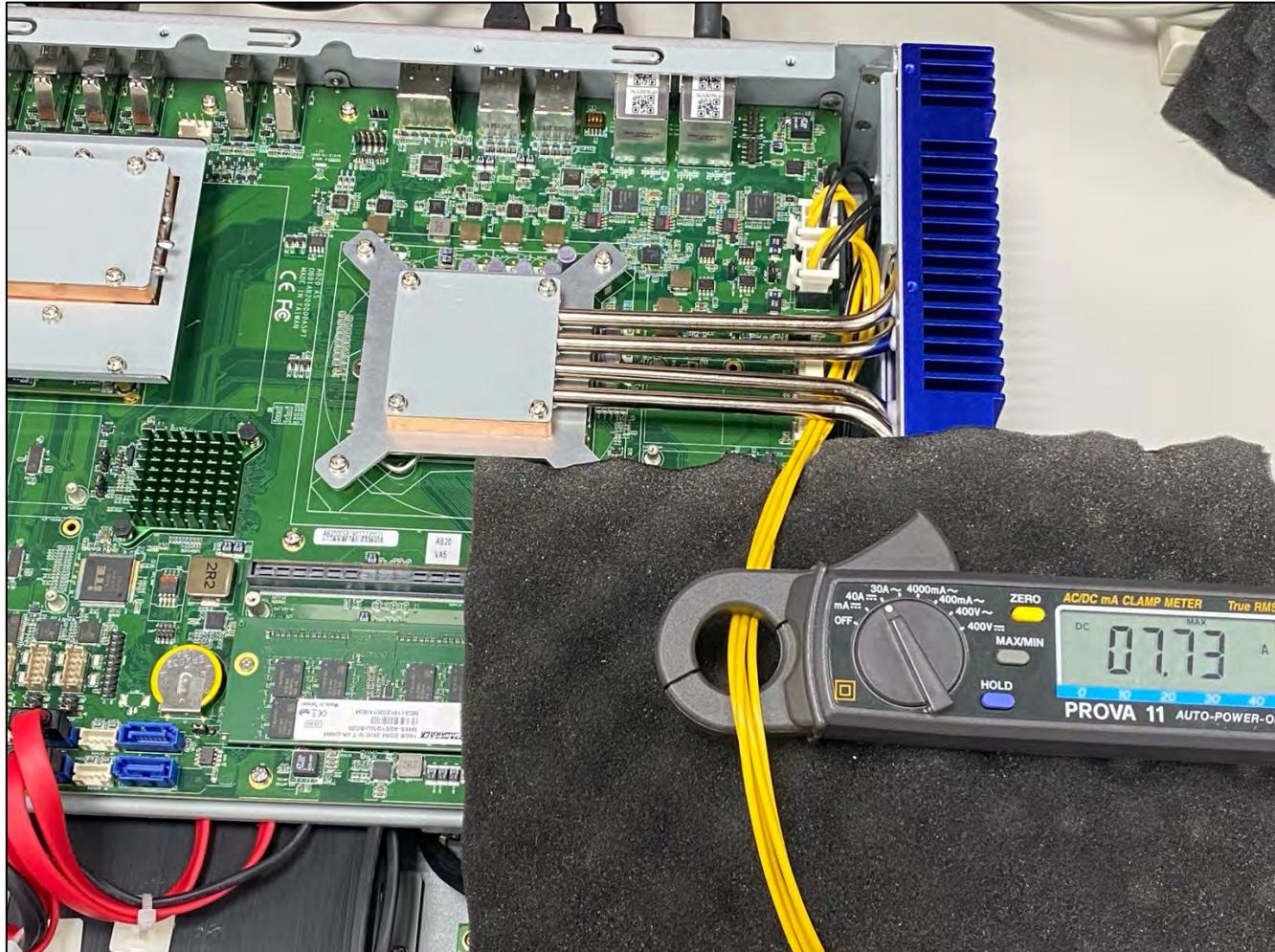
PERFORMANCE TEST REPORT

HORUS420-R1

2-4. POWER CONSUMPTION

The current value was measured at the output terminal of the internal DC-DC redundant board.

Voltage (V)	Current (A)	Wattage (W)
12.0	7.73	92.76

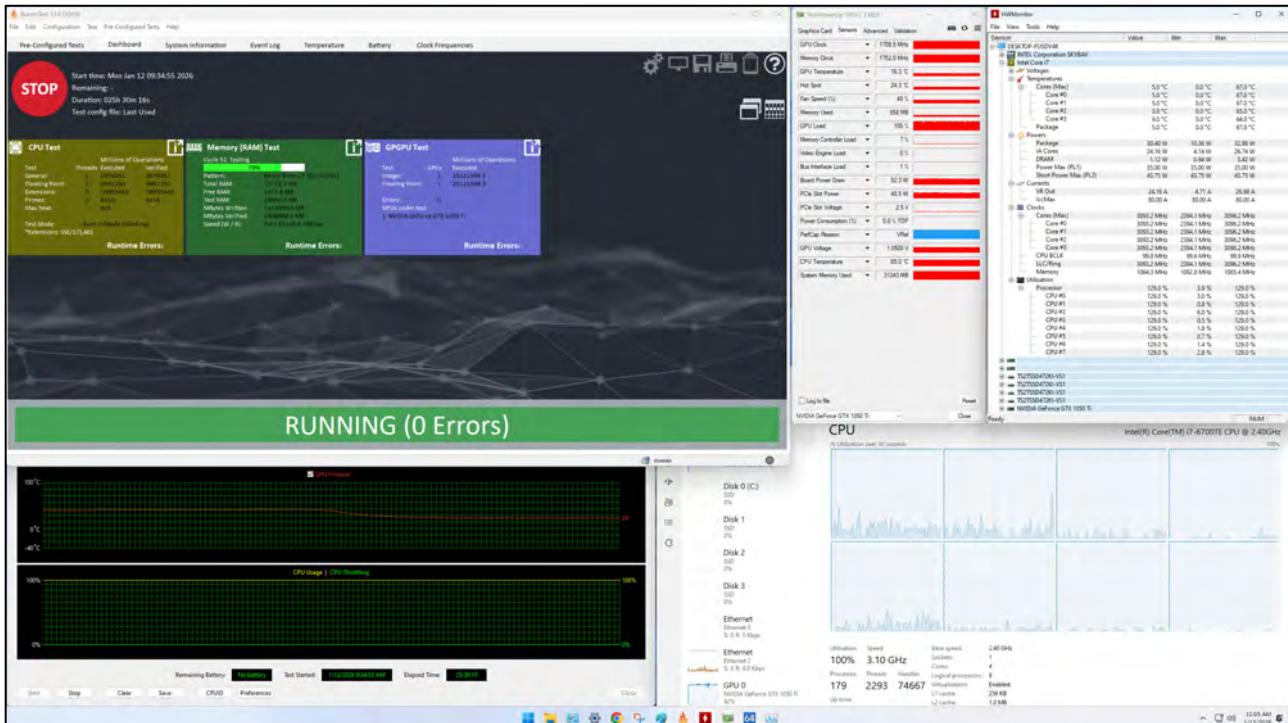


PERFORMANCE TEST REPORT

HORUS420-R1

3. TEST PHOTO IN LAB

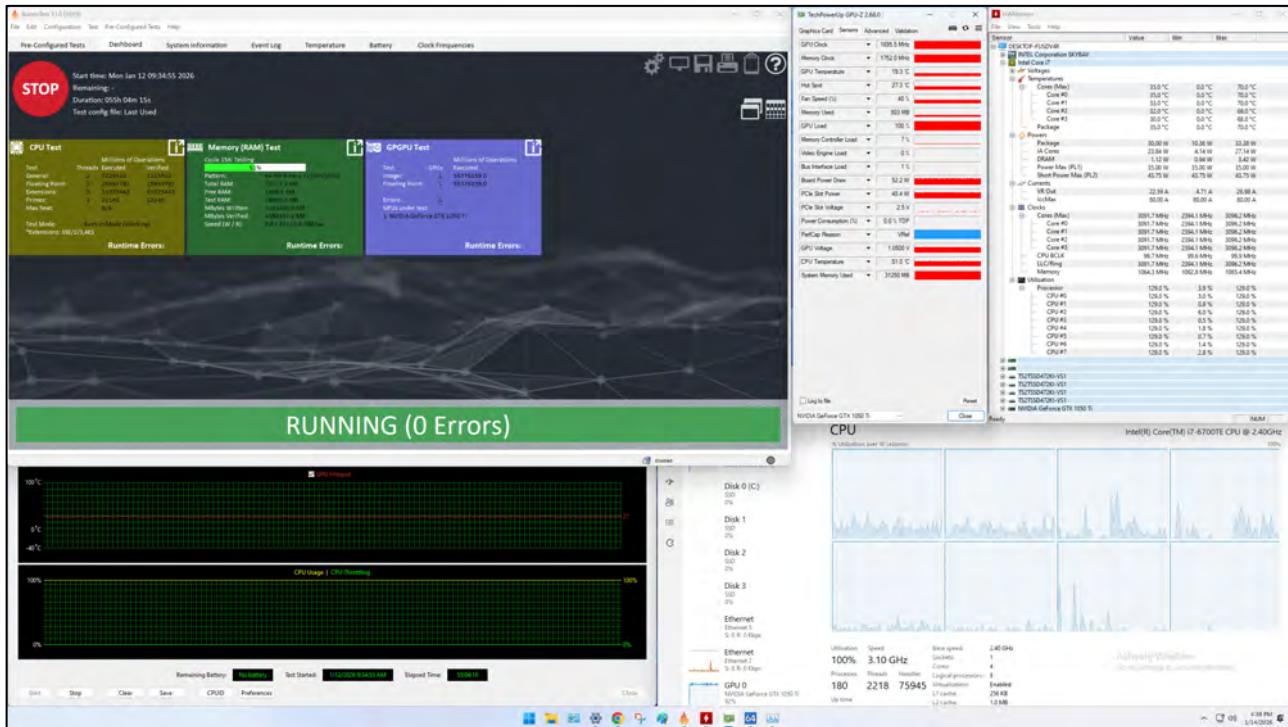
- Chamber in -40°C / 0%RH



PERFORMANCE TEST REPORT

HORUS420-R1

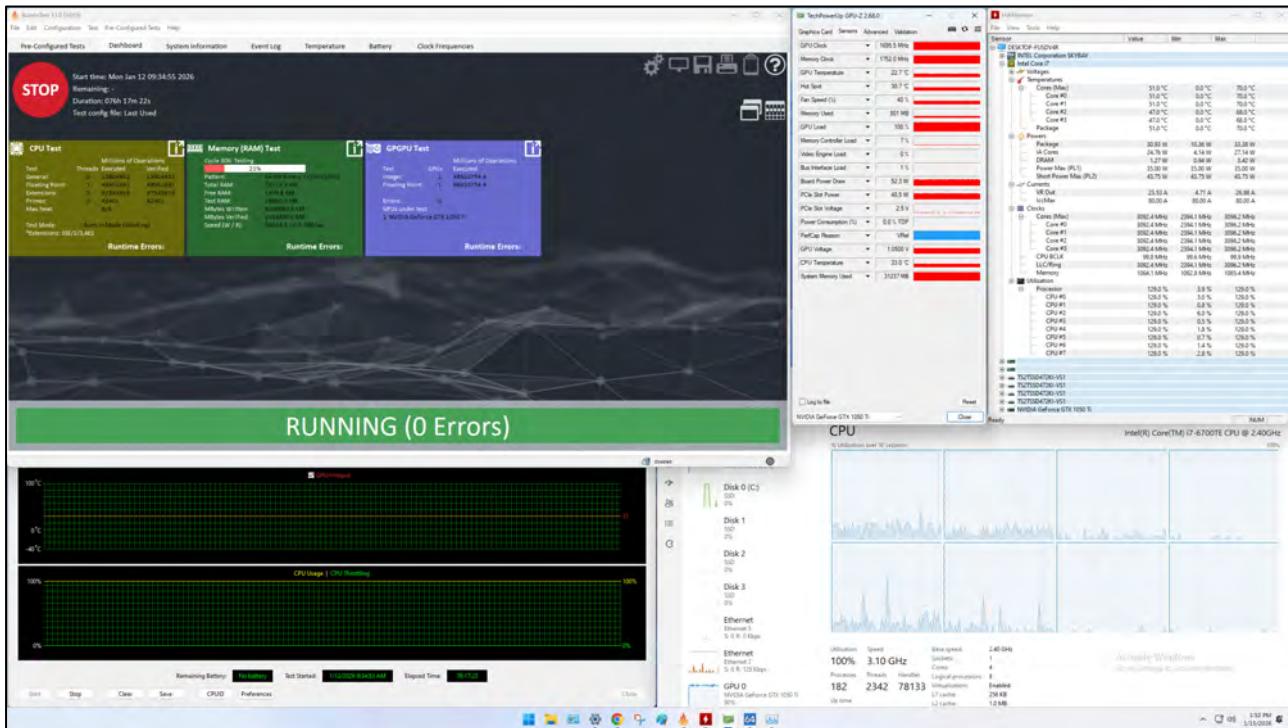
- Chamber in -20°C / 0%RH



PERFORMANCE TEST REPORT

HORUS420-R1

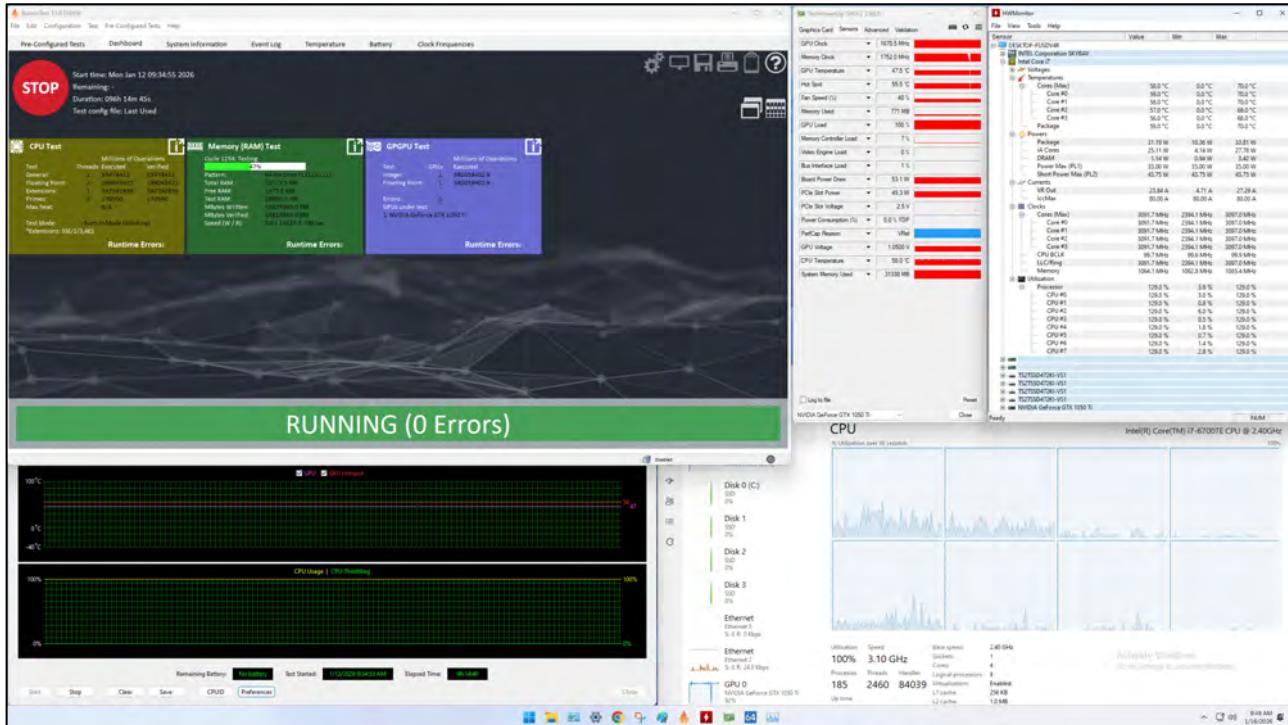
- Chamber in 0°C / 0%RH



PERFORMANCE TEST REPORT

HORUS420-R1

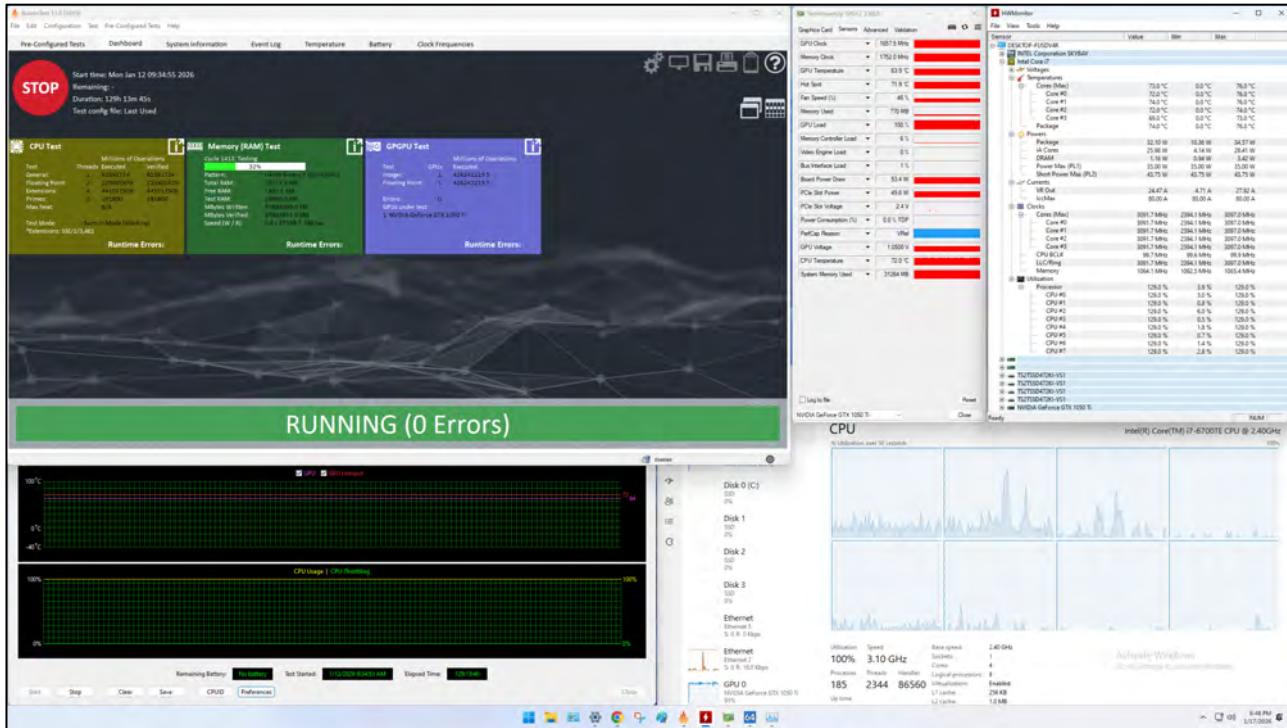
- Chamber in 25°C / 60%RH



PERFORMANCE TEST REPORT

HORUS420-R1

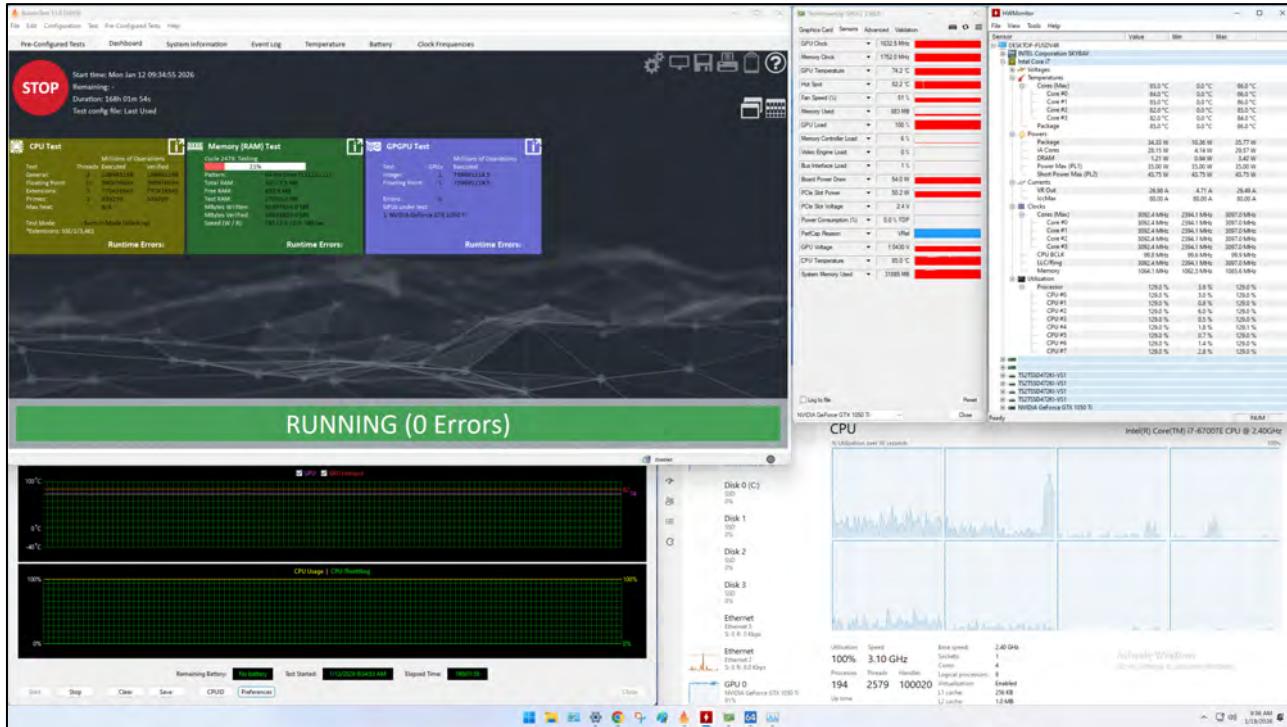
- Chamber in 40°C / 60%RH



PERFORMANCE TEST REPORT

HORUS420-R1

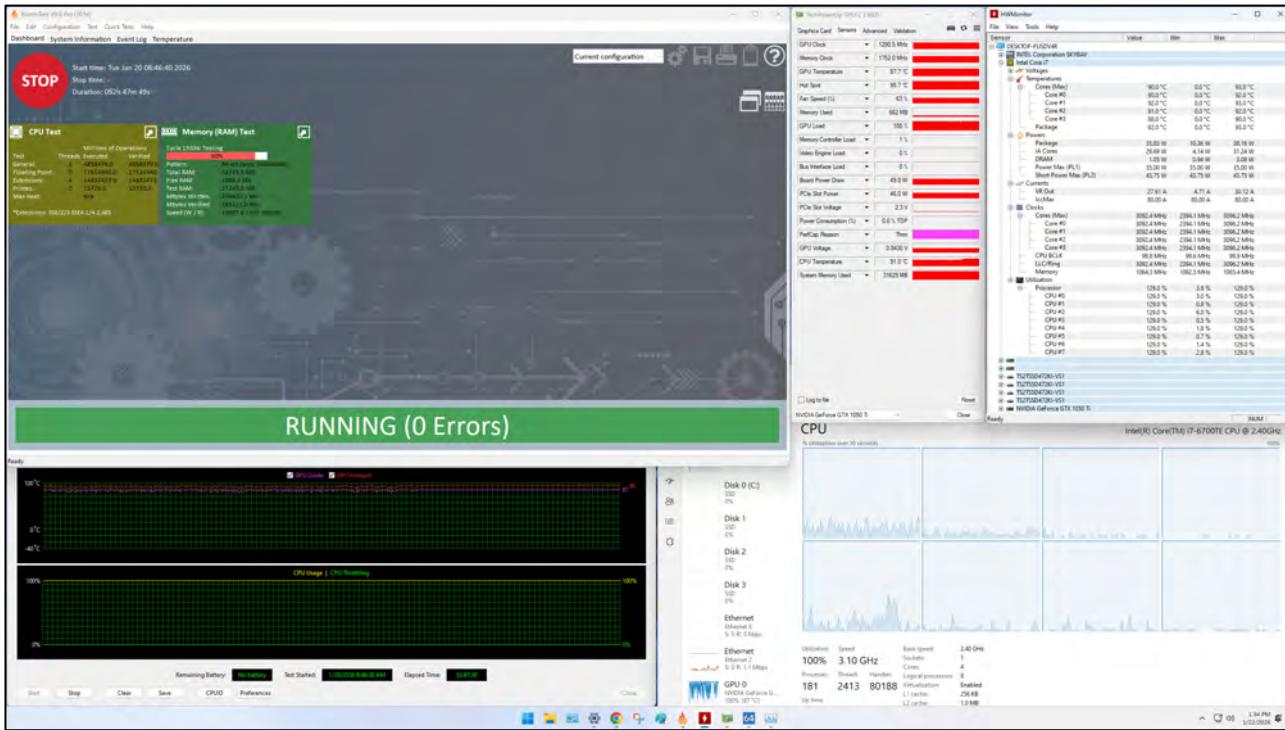
- Chamber in 50°C / 60%RH



PERFORMANCE TEST REPORT

HORUS420-R1

- Chamber in 60°C / 60%RH



PERFORMANCE TEST REPORT

HORUS420-R1

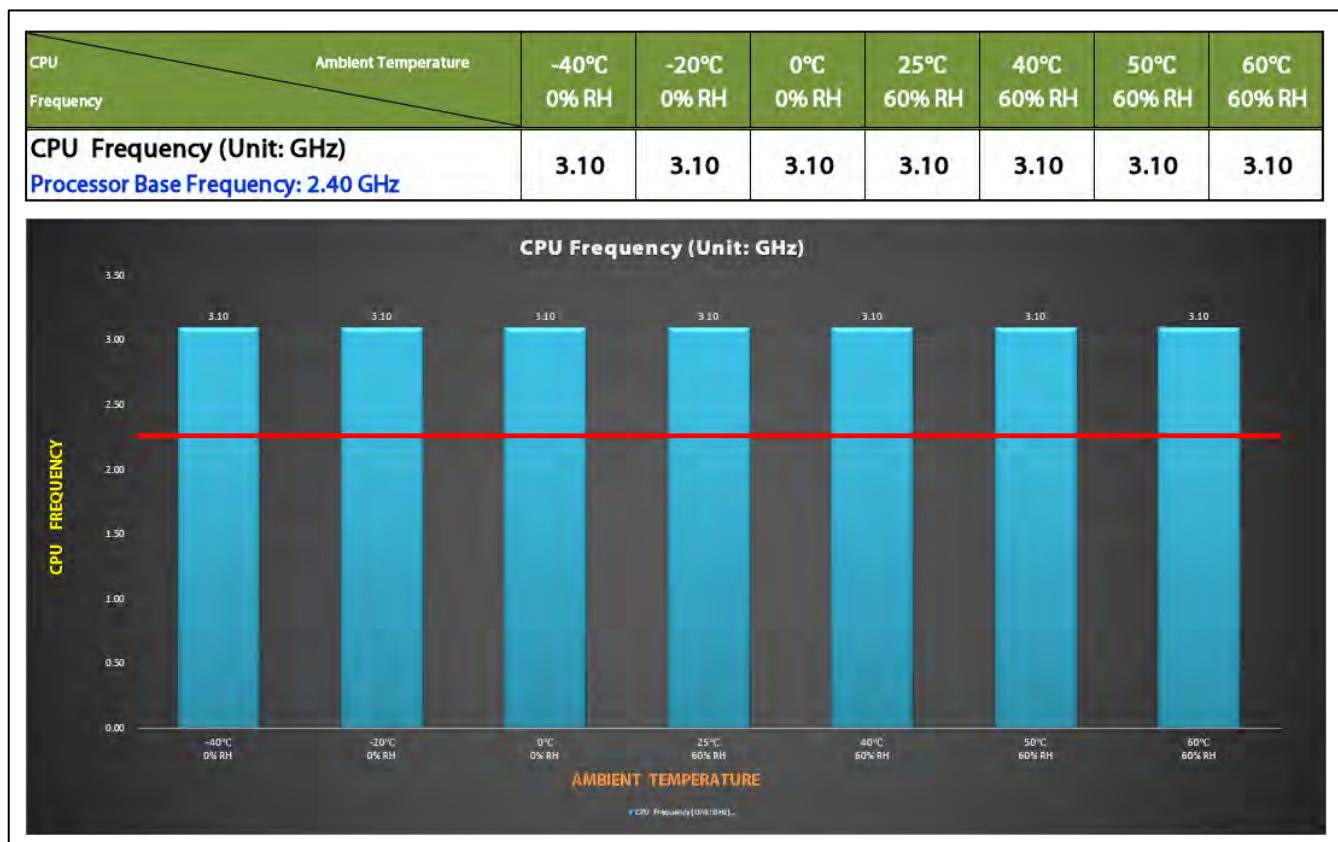
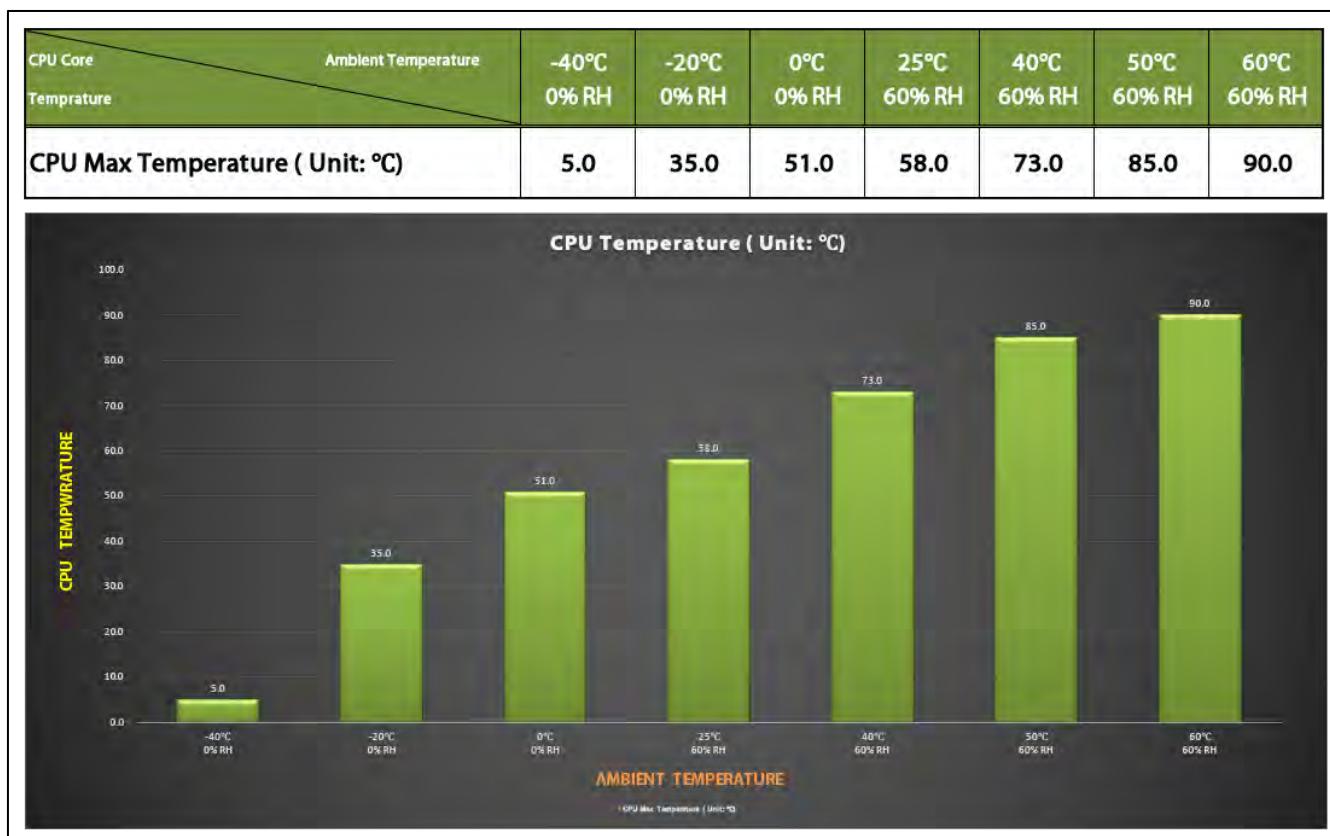
4. THERMAL TEST RESULT(-40°C ~ +60°C)

CPU & GPU Temperature and Frequency

Temperature Frequency	Ambient Temp.	-40°C 0% RH	-20°C 0% RH	0°C 0% RH	25°C 60% RH	40°C 60% RH	50°C 60% RH	60°C 60% RH
CPU Max Temperature (Unit: °C)		5.0	35.0	51.0	58.0	73.0	85.0	90.0
CPU Frequency (Unit: GHz)		3.10	3.10	3.10	3.10	3.10	3.10	3.10
GPU Temperature (Unit: °C)		16.3	19.3	22.7	47.5	63.9	74.2	87.7
GPU Hot Spot Temperature (Unit: °C)		24.3	27.3	30.7	55.5	71.9	82.2	95.7
GPU Frequency (Unit: MHz)		1708.5	1695.5	1695.5	1670.5	1657.5	1632.5	1290.5

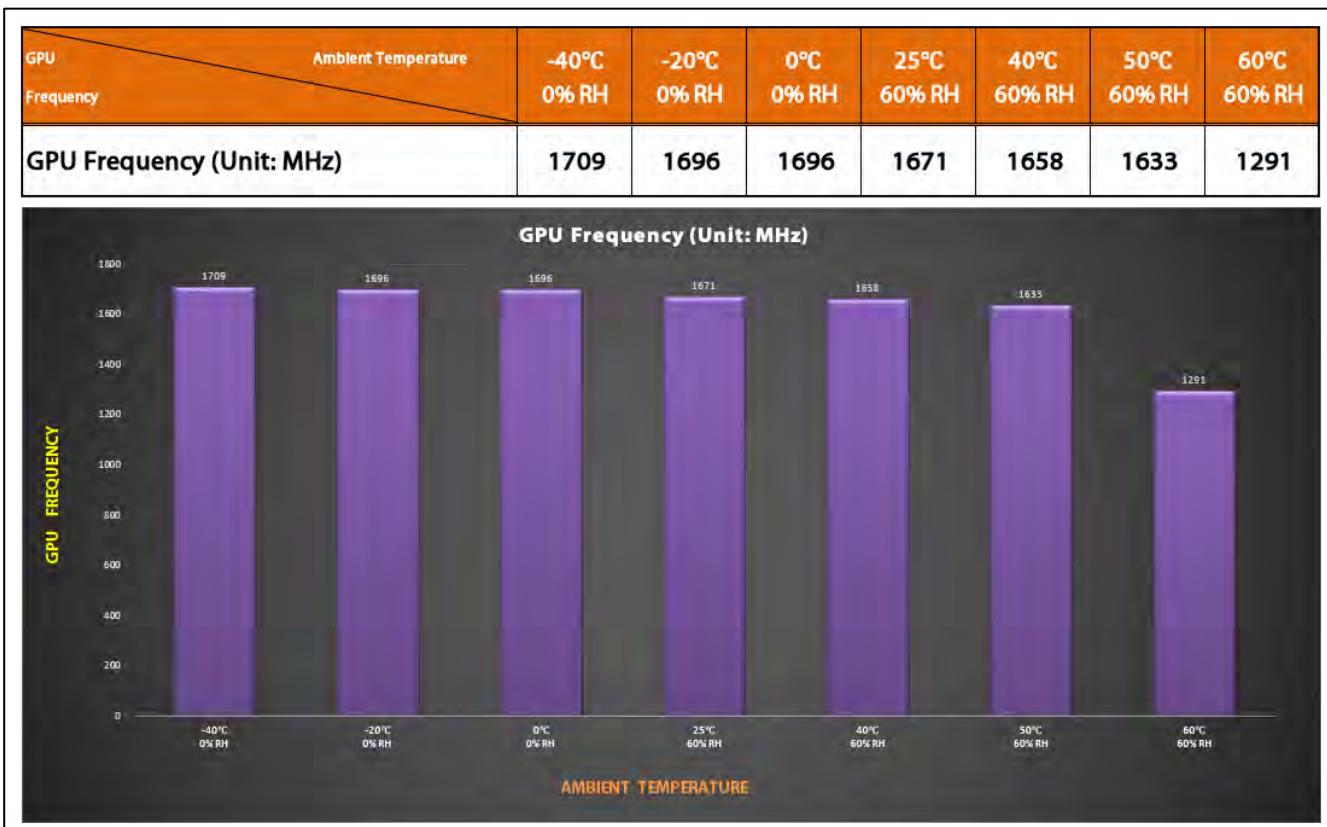
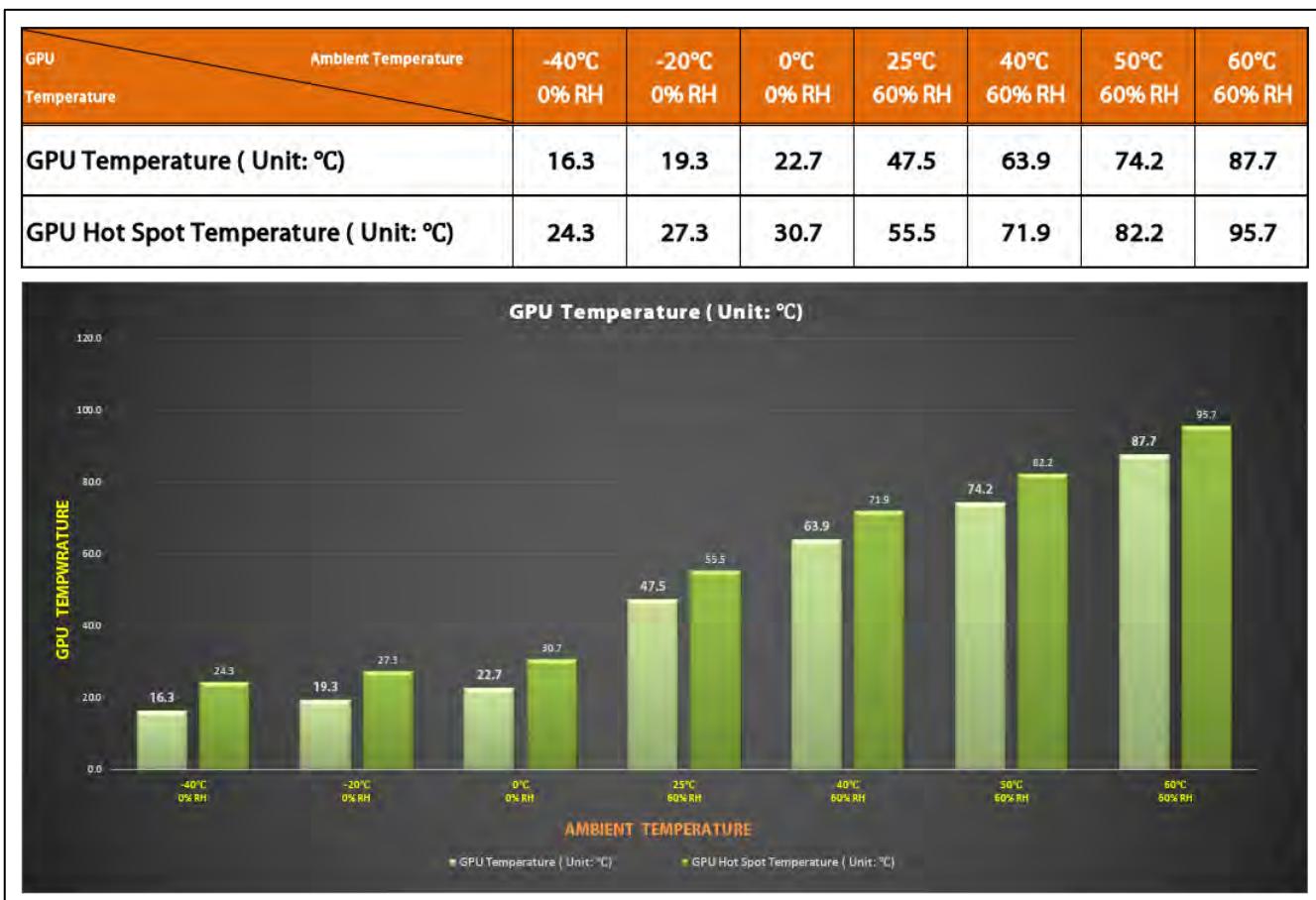
PERFORMANCE TEST REPORT

HORUS420-R1



PERFORMANCE TEST REPORT

HORUS420-R1

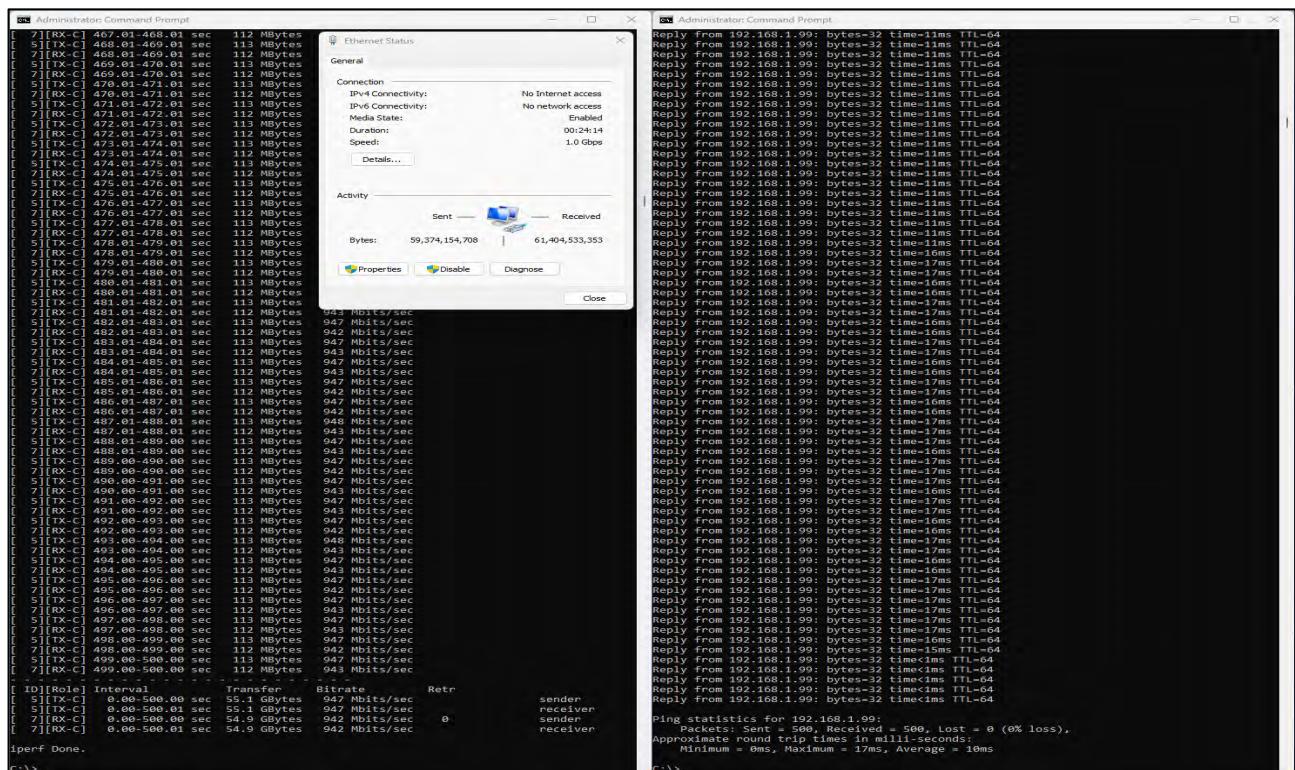
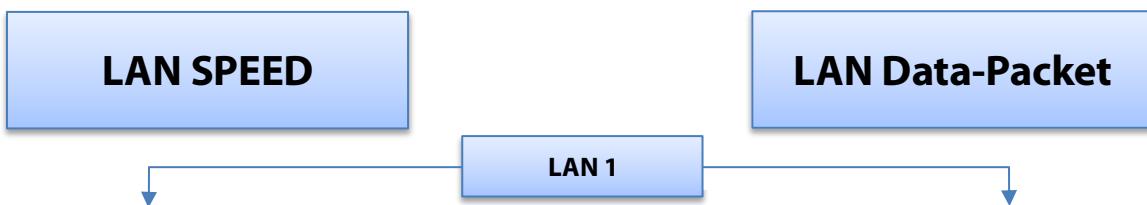


PERFORMANCE TEST REPORT

HORUS420-R1

5. I/O FUNCTION TEST

5-1. LAN PORT

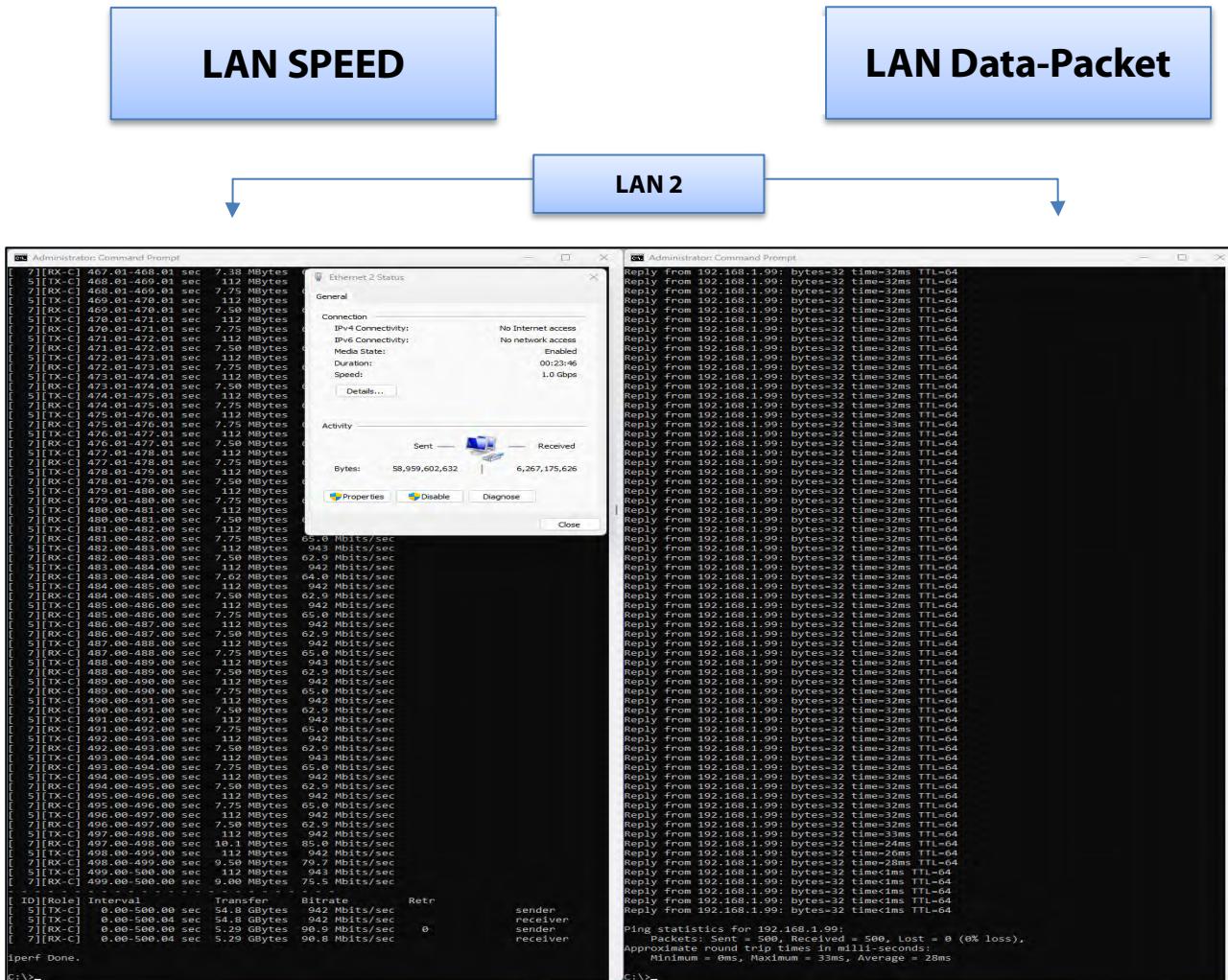


LAN Speed Test Result: Pass

LAN Data-Packet Test Result: 0 Lost (0% loss)

PERFORMANCE TEST REPORT

HORUS420-R1

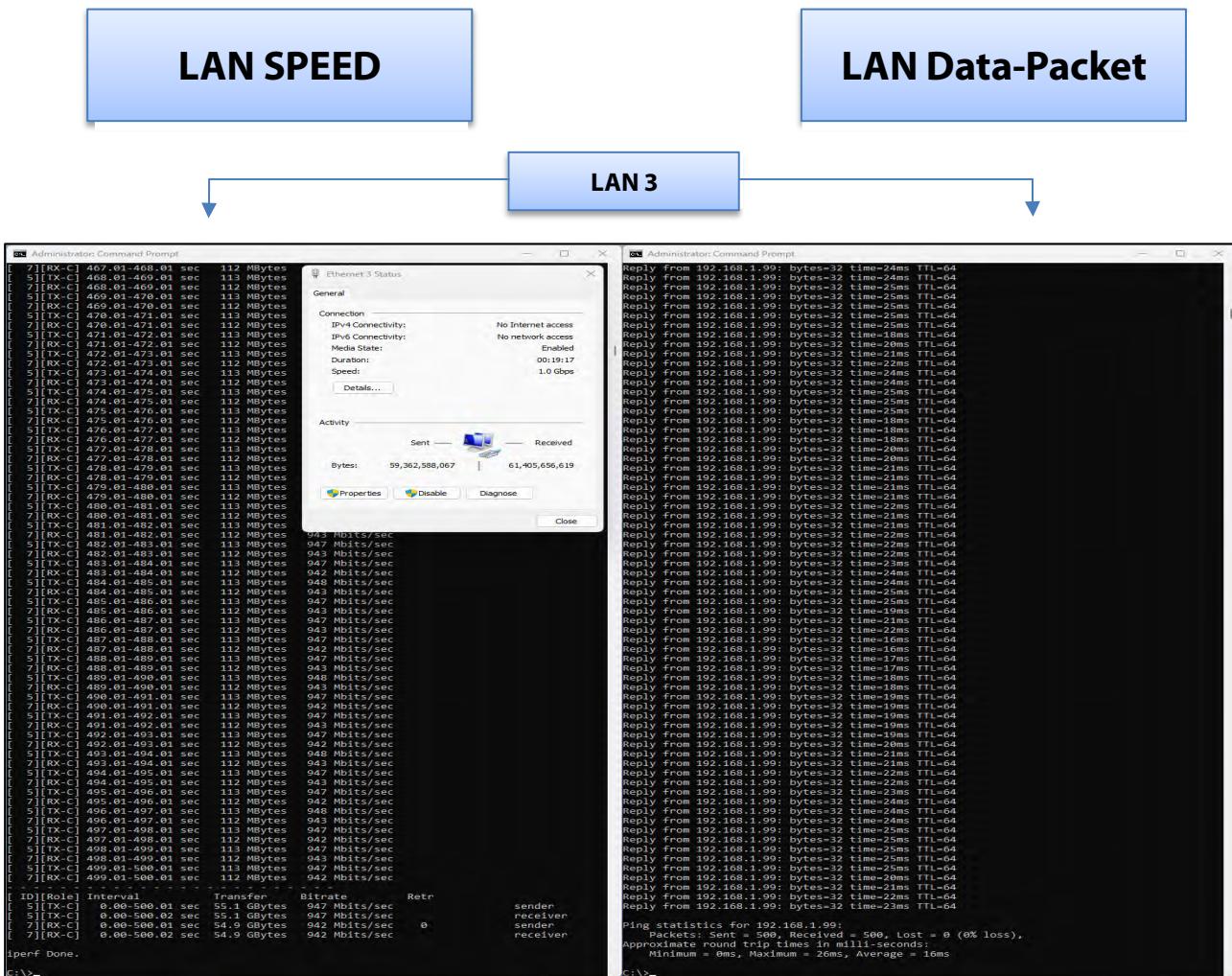


LAN Speed Test Result: Pass

LAN Data-Packet Test Result: 0 Lost (0% loss)

PERFORMANCE TEST REPORT

HORUS420-R1

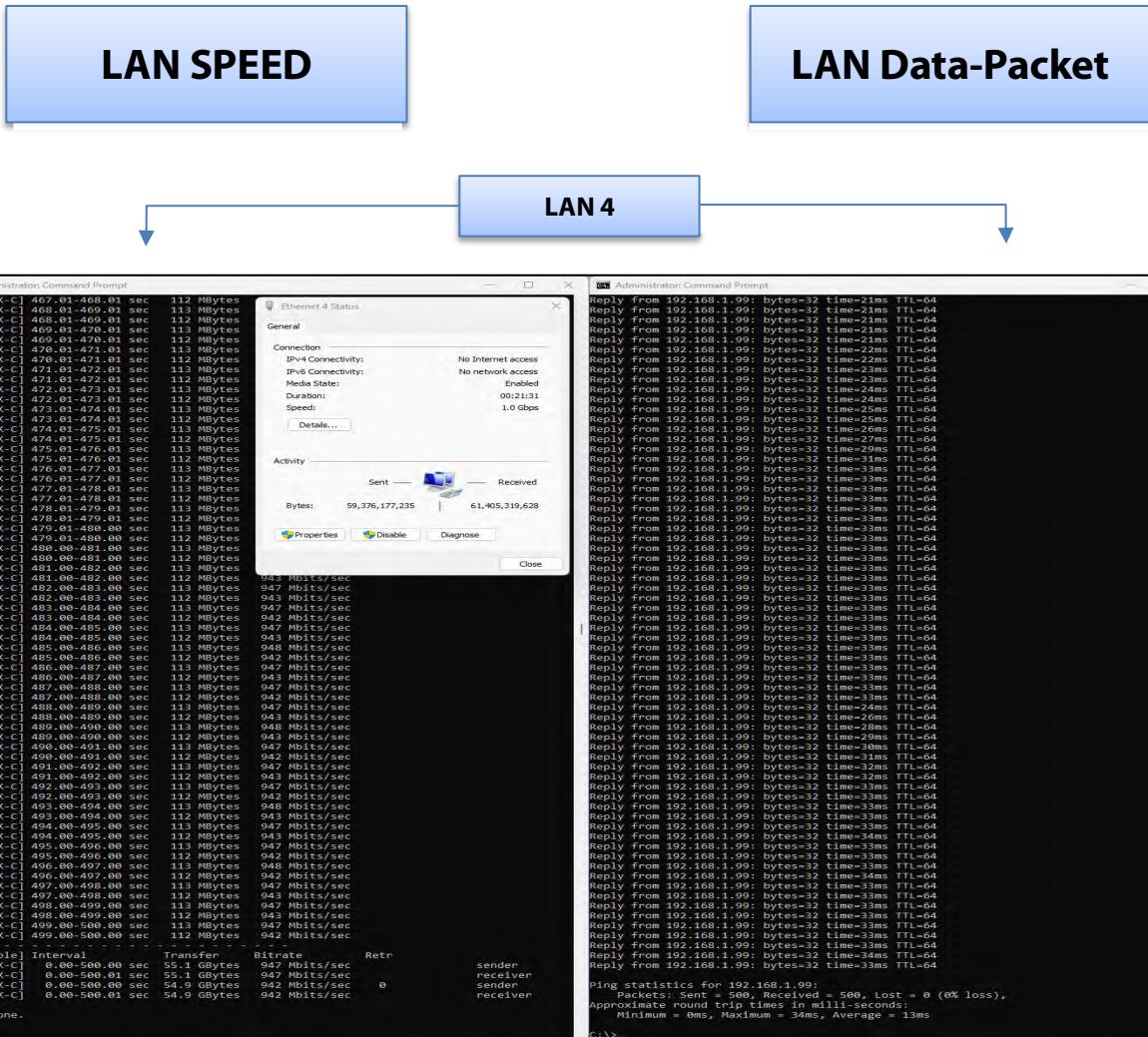


LAN Speed Test Result: Pass

LAN Data-Packet Test Result: 0 Lost (0% loss)

PERFORMANCE TEST REPORT

HORUS420-R1



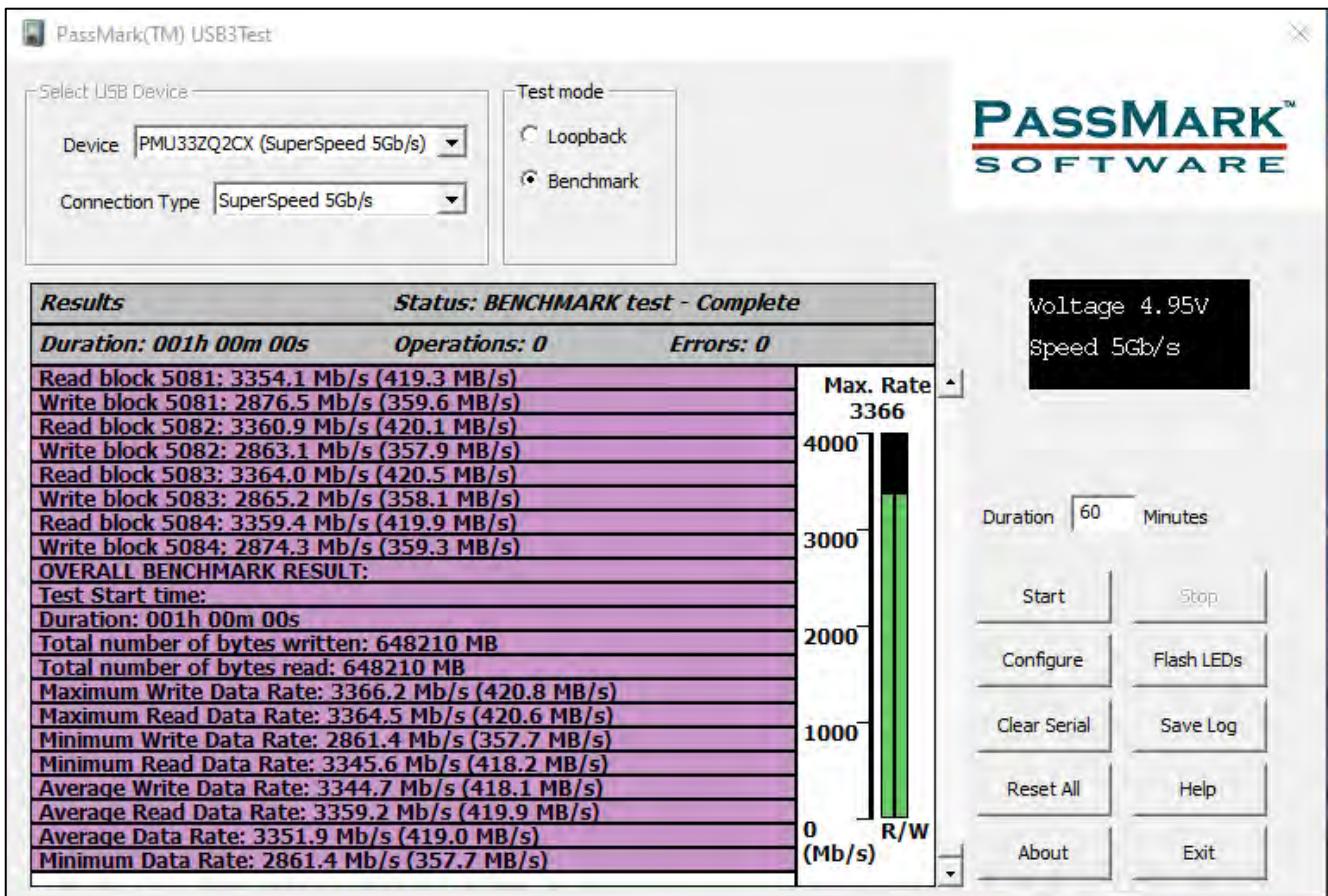
LAN Speed Test Result: Pass

LAN Data-Packet Test Result: 0 Lost (0% loss)

PERFORMANCE TEST REPORT

HORUS420-R1

5-2. USB PORT(REA)



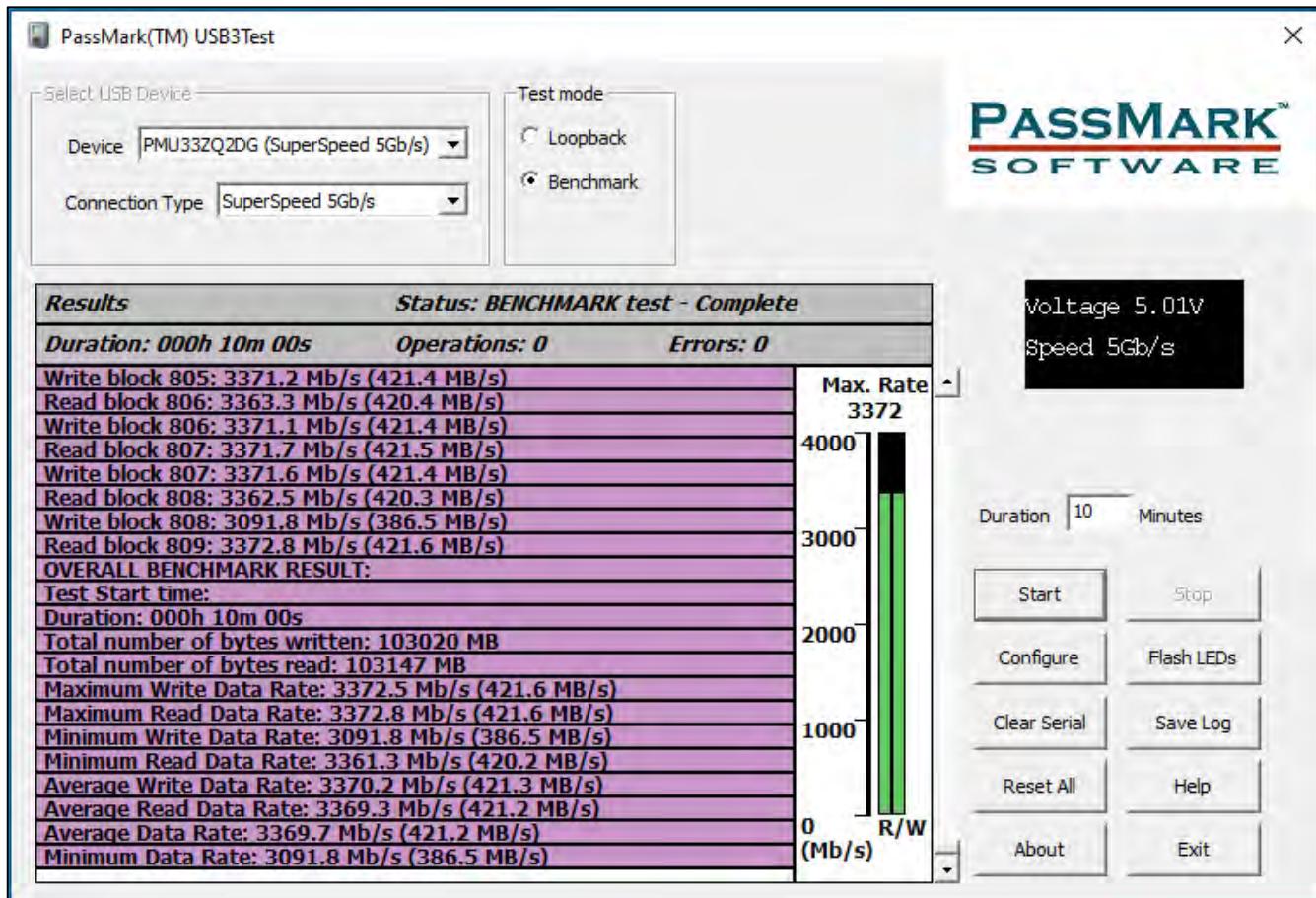
PERFORMANCE TEST REPORT

HORUS420-R1



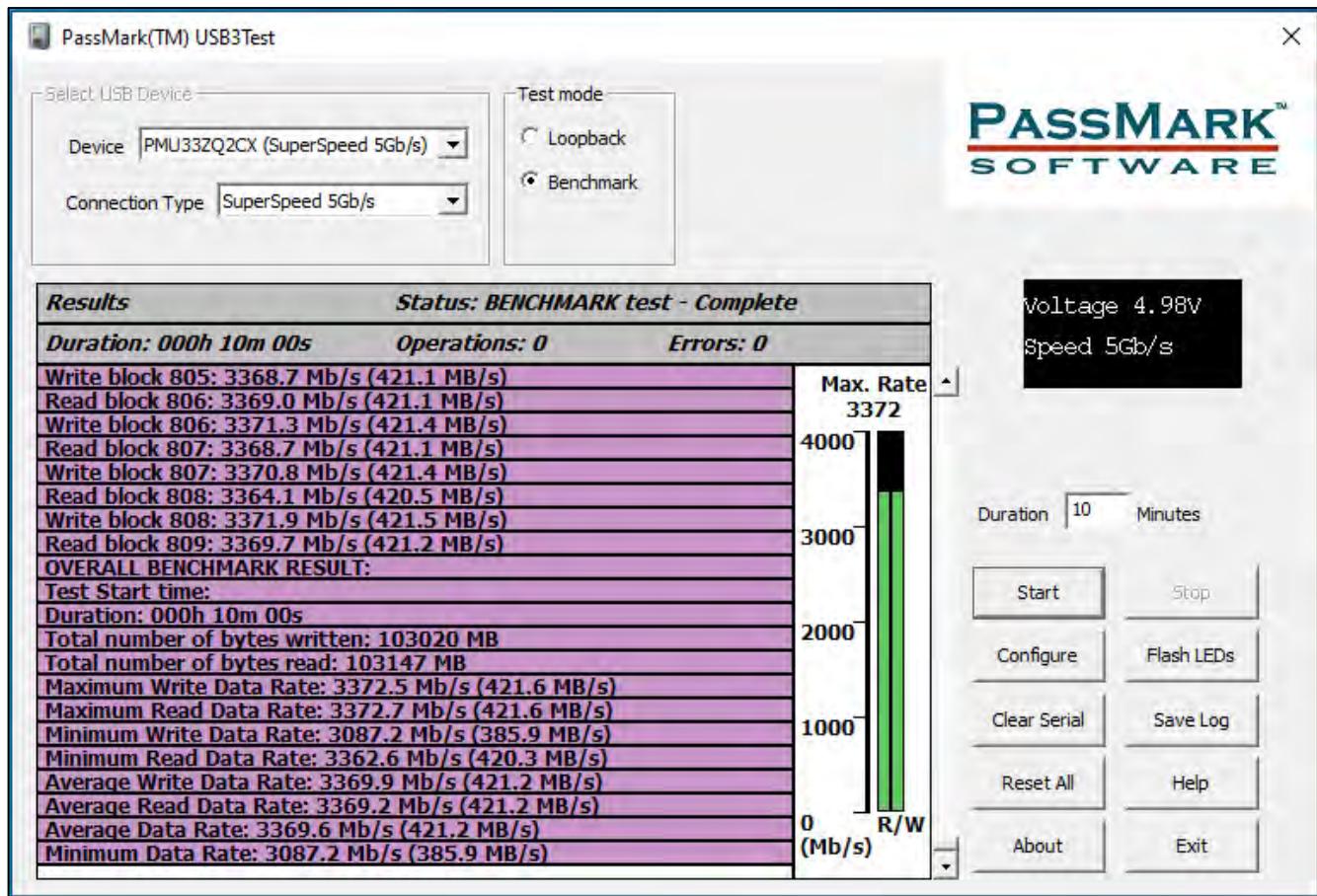
PERFORMANCE TEST REPORT

HORUS420-R1



PERFORMANCE TEST REPORT

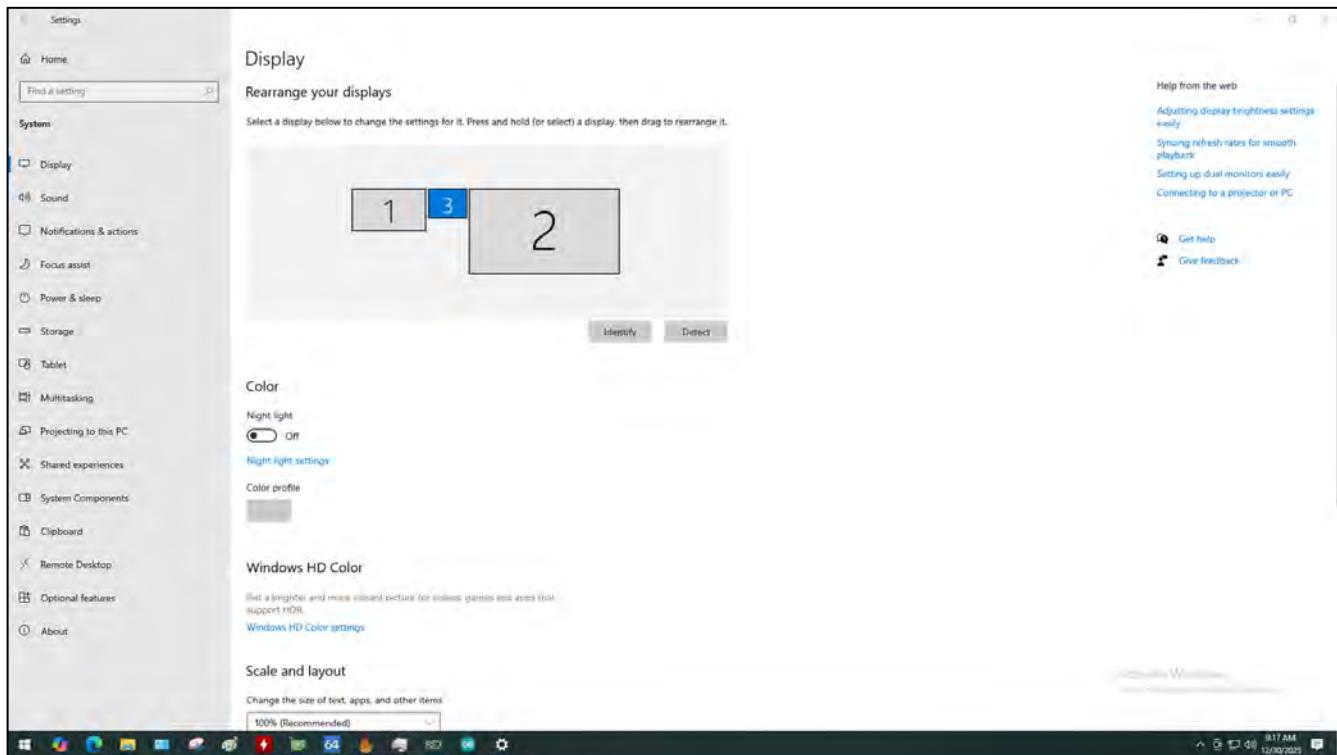
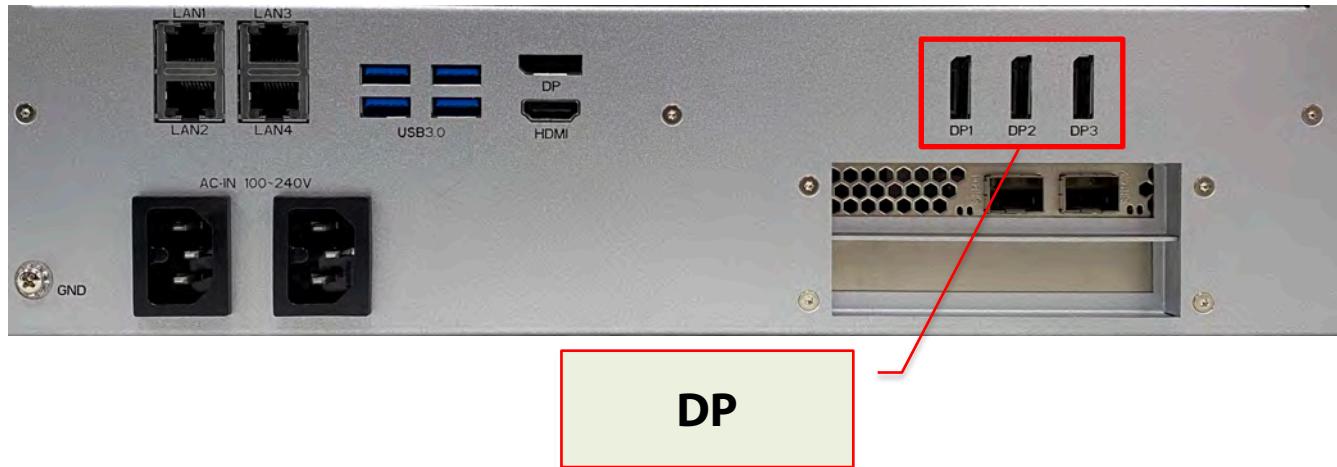
HORUS420-R1



PERFORMANCE TEST REPORT

HORUS420-R1

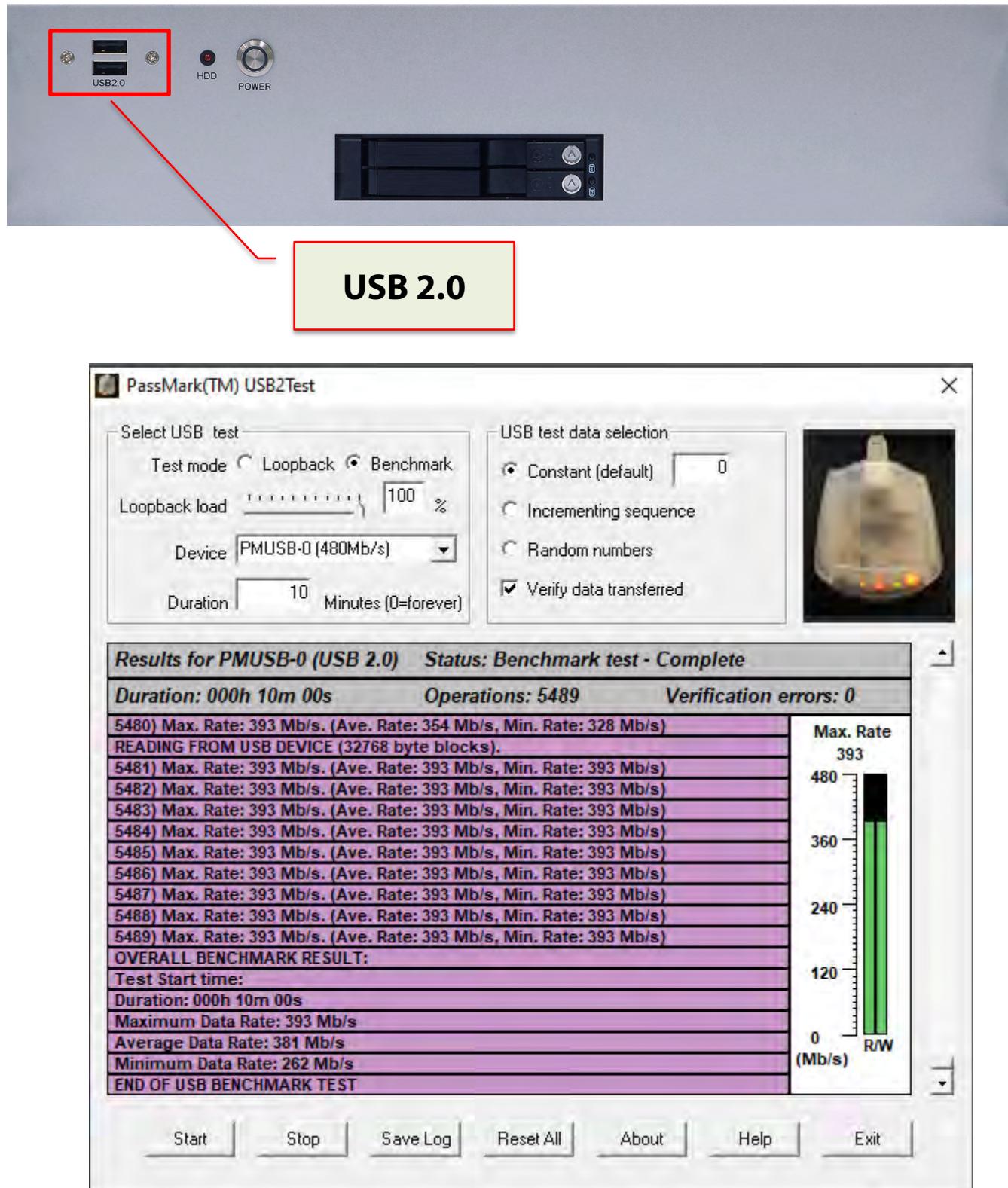
5-3. DISPLAY PORT



PERFORMANCE TEST REPORT

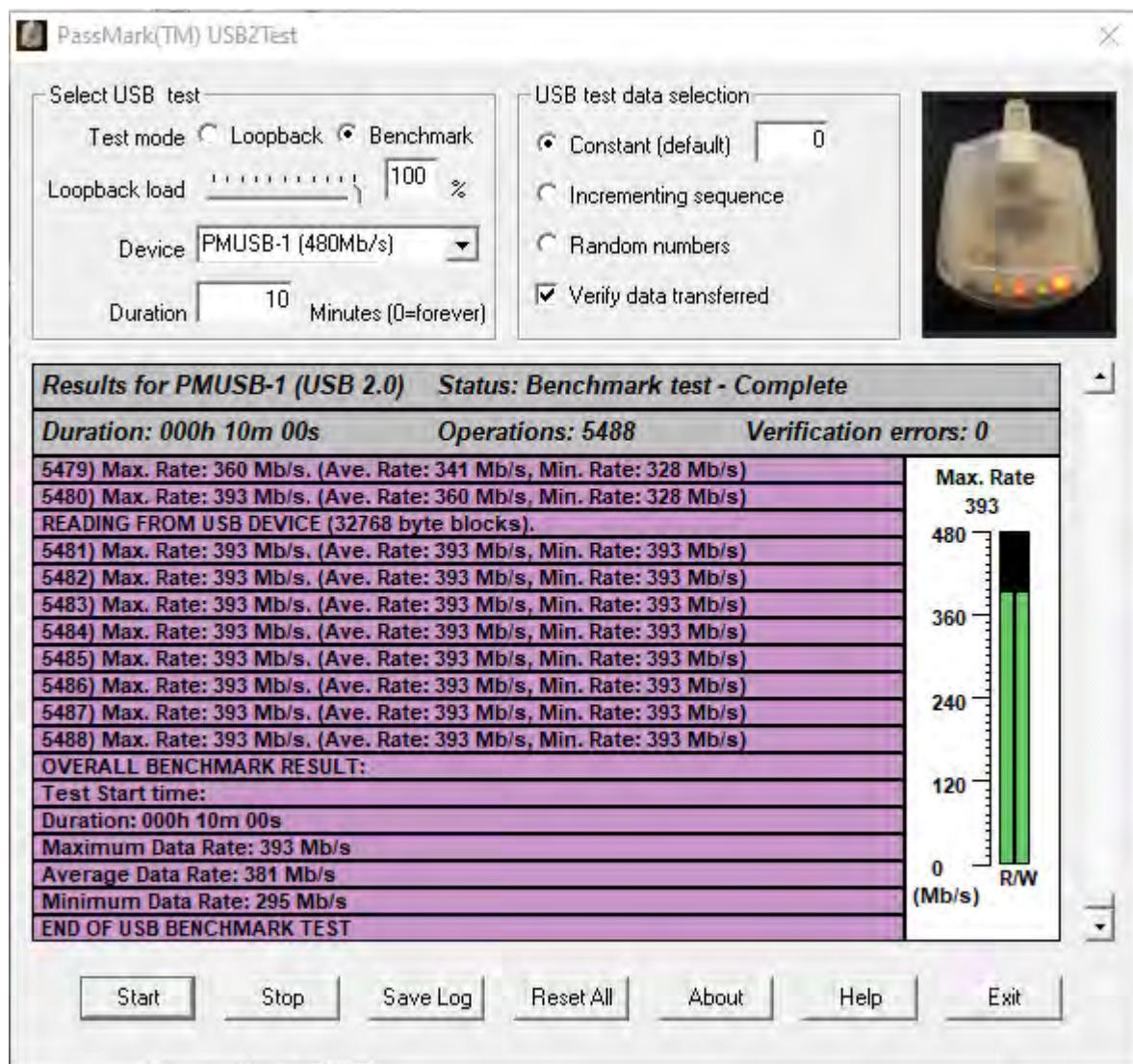
HORUS420-R1

5-4. USB PORT (FRONT)



PERFORMANCE TEST REPORT

HORUS420-R1



-----END-----