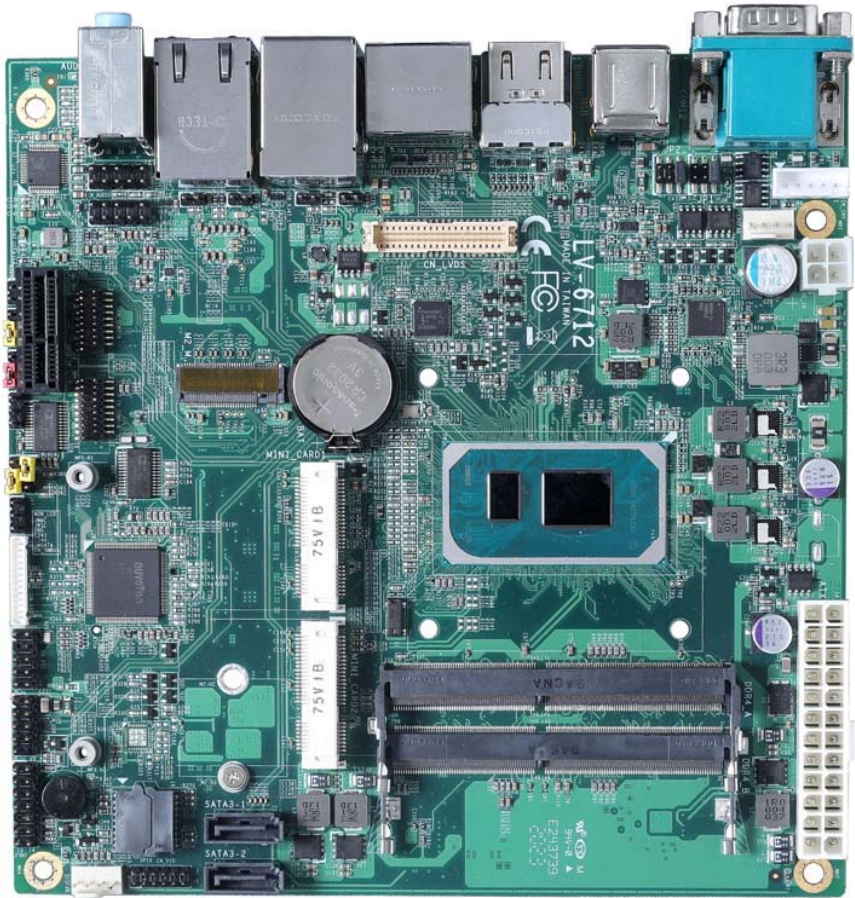


# Product Test Report



<b>Product Name</b>	<b>LV-6712</b>
<b>Product Version</b>	<b>A</b>
<b>Issued Date</b>	<b>2022.01.14</b>
<b>Report Edition</b>	<b>1.1</b>
<b>BIOS Version</b>	<b>1.0</b>
<b>Testing Engineer</b>	<b>Rick</b>
<b>Check Engineer</b>	<b>Daniel</b>

**REVISION HISTORY**

<b>DATE</b>	<b>REVISION NO.</b>	<b>PAGE</b>	<b>DESCRIPTONS</b>
<b>2021.07.01</b>	<b>Ver. 1.0</b>	<b>94</b>	<b>Initial Release</b>
<b>2022.01.14</b>	<b>Ver. 1.1</b>	<b>94</b>	<b>Increase Mini Card</b>

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# 1. Function test

## 1.1 Hardware functions

### Base Function Test

Item	Description	Result
1	Power Button	PASS
2	Reset	PASS
3	Power LED	PASS
4	HDD LED	PASS
5	CPUFAN	PASS
6	SYSFAN	PASS
7	AUDIO	PASS
8	CN_AUDIO	PASS
9	LAN1	PASS
10	LAN2	PASS
11	DDR4 A/B	PASS
12	SATA3-1/2	PASS
13	USB3.1 1/2/3/4	PASS
14	CN_USB2-1/2	PASS
15	USB 1/2	PASS
16	COM 1/2	PASS
17	CN_COM 3/4/5/6	PASS
18	CN_PS2	PASS
19	HDMI 1/2	PASS
20	Display Port 1/2	PASS
21	LVDS	PASS
22	MINI_CARD1	PASS
23	MINI_CARD2	PASS

24	M2_M	PASS
25	PCIEX1	PASS

### Jumper

Item	Description	Result
1	JRTC	PASS
2	JAT	PASS
3	JP1	PASS
4	JP2	PASS
5	JVLCD	PASS
6	JMSATA	PASS

### 1.2 BIOS function

Item	Description	Result	Remark
1	Press 'Del' to run Setup Utility	PASS	
2	Ctrl-Alt-Del – Soft-Reboot	PASS	
3	Save & Exit Setup	PASS	
4	Date & Time Setting	PASS	
5	Selection Language	PASS	
6	Quick Boot	PASS	
7	Diagnostic Splash Screen	PASS	
8	Diagnostic Summary Screen	PASS	
9	SATA Controller(s)	PASS	
10	Serial Port Configuration	PASS	
11	Fan Control	PASS	
12	EDID Panel Type	PASS	
13	Supervisor Password	PASS	

Item	Description	Result	Remark
14	User Password	PASS	
15	HDD Password	PASS	

### 1.3 Driver

#### CD edition : IPCI1-2.1

##### 1. Windows 10 64 bit Driver Test

Item	Description	Result	Version
1	Chipset Driver	PASS	3.1.7.131
2	VGA Driver	PASS	27.20.100.8935
3	Audio Driver	PASS	6.01.8036
4	LAN Driver	PASS	I219LM:12.19.0.16 I225LM:1.0.2.6

## 2. Compatibility test

### 2.1 CPU Test

Test environment:

OS: Windows 10 64bit

Test program : PC MARK05 & BurnIn Test 8.1

Spec	CPU Speed	Family	Processor	MAX TDP	Smart Cache	Result
SR3W4	2.80 GHz	CORE	i7-1185G7E	28 W	12 MB	PASS
SR3XE	2.60 GHz	CORE	i5-1145G7E	28 W	8 MB	PASS
SR3N5	3.00 GHz	CORE	i3-1115G4E	28 W	6 MB	PASS
SR3X9	1.80 GHz	Celeron	6305E	15 W	4 MB	PASS
SR3QS	2.80 GHz	CORE	i7-1185GRE	28 W	12 MB	PASS

### 2.2 Memory Test

Test environment:

OS: Windows 10 64bit

Test program : BurnIn Test8.1 & MemTest64 & MemTest86+

Manufacturer	Chip	Frequency	Capacity Mbytes	Memory test Source
Kingston KVR32S22D8/32	Micro OSE77 D9ZFY	DDR4 3200	32 GB	PASS
Kingston KVR32S22D8/8	SK hynix H5AN8G8NDJ	DDR4 3200	16 GB	PASS
Innodisk M4S0-BGS2OCEM	SEC016 K4AAG0B 5WABCWE	DDR4 3200	32 GB	PASS



## 2.3 HDMI Graphic Quality Test

Test environment:

OS Windows 10 64bit

Driver version : 27.20.100.8935

Resolution	Bit depth	Result	Remark
800 x 600	8-bit	PASS	
1024 x 768	8-bit	PASS	
1152 x 864	8-bit	PASS	
1280 x 600	8-bit	PASS	
1280 x 720	8-bit	PASS	
1280 x 768	8-bit	PASS	
1280 x 800	8-bit	PASS	
1280 x 960	8-bit	PASS	
1280 x 1024	8-bit	PASS	
1360 x 768	8-bit	PASS	
1366 x 768	8-bit	PASS	
1400 x 1050	8-bit	PASS	
1440 x 900	8-bit	PASS	
1600 x 900	8-bit	PASS	
1600 x 1200	8-bit	PASS	
1680 x 1050	8-bit	PASS	
1792 x 1344	8-bit	PASS	
1856 x 1392	8-bit	PASS	
1920 x 1080	8-bit	PASS	
1920 x 1200	8-bit	PASS	
1920 x 1440	8-bit	PASS	

<b>2048 x 1152</b>	<b>8-bit</b>	PASS	
<b>2048 x 1536</b>	<b>8-bit</b>	PASS	
<b>2560 x 1440</b>	<b>8-bit</b>	PASS	
<b>2560 x 1600</b>	<b>8-bit</b>	PASS	
<b>2560 x 1920</b>	<b>8-bit</b>	PASS	
<b>2560 x 2048</b>	<b>8-bit</b>	PASS	
<b>3840 x 2160</b>	<b>8-bit</b>	PASS	

## 2.4 Display Port Graphic Quality Test

Test environment:

OS Windows 10 64bit

Driver version : 27.20.100.8935

<b>Resolution</b>	<b>Bit depth</b>	<b>Result</b>	<b>Remark</b>
<b>800 x 600</b>	<b>8-bit</b>	PASS	
<b>1024 x 768</b>	<b>8-bit</b>	PASS	
<b>1152 x 864</b>	<b>8-bit</b>	PASS	
<b>1280 x 600</b>	<b>8-bit</b>	PASS	
<b>1280 x 720</b>	<b>8-bit</b>	PASS	
<b>1280 x 768</b>	<b>8-bit</b>	PASS	
<b>1280 x 800</b>	<b>8-bit</b>	PASS	
<b>1280 x 960</b>	<b>8-bit</b>	PASS	
<b>1280 x 1024</b>	<b>8-bit</b>	PASS	
<b>1360 x 768</b>	<b>8-bit</b>	PASS	
<b>1366 x 768</b>	<b>8-bit</b>	PASS	
<b>1400 x 1050</b>	<b>8-bit</b>	PASS	

1440 x 900	8-bit	PASS	
1600 x 900	8-bit	PASS	
1600 x 1200	8-bit	PASS	
1680 x 1050	8-bit	PASS	
1792 x 1344	8-bit	PASS	
1856 x 1392	8-bit	PASS	
1920 x 1080	8-bit	PASS	
1920 x 1200	8-bit	PASS	
1920 x 1440	8-bit	PASS	
2048 x 1152	8-bit	PASS	
2048 x 1536	8-bit	PASS	
2560 x 1440	8-bit	PASS	
2560 x 1600	8-bit	PASS	
2560 x 1920	8-bit	PASS	
2560 x 2048	8-bit	PASS	
3840 x 2160	8-bit	PASS	

## 2.5 Audio

Test environment:

OS Windows 10 64-bit

Driver version : 6.0.1.8036

Item	Description	Result	Remark
1	2.1CH	PASS	
2	Microphone	PASS	
3	LINE	PASS	

## 2.6 HDD Test

Test environment:

OS Windows 10 64bit

Test program : PC MARK05 & BurnIn Test8.1 & CrystalDiskMark

HDD Model	Interface	Capacity	HDD Size Detect	HDD Data Transfer	HDD LED Check
<b>INTEL SSDSC2BW240A4</b>	<b>SSD</b>	<b>240 GB</b>	PASS	PASS	PASS
<b>TOSHIBA DT01ACA200</b>	<b>HDD</b>	<b>2TB</b>	PASS	PASS	PASS
<b>WD 10EALX</b>	<b>HDD</b>	<b>1 TB</b>	PASS	PASS	PASS
<b>WD 10EADS</b>	<b>HDD</b>	<b>1 TB</b>	PASS	PASS	PASS
<b>WD 800BEVS</b>	<b>HDD</b>	<b>80 GB</b>	PASS	PASS	PASS
<b>Kingston DT100G3/32GB</b>	<b>USB</b>	<b>32 GB</b>	PASS	PASS	PASS
<b>Kingston DT Hyper X 3.0</b>	<b>USB</b>	<b>63 GB</b>	PASS	PASS	PASS
<b>Crucial_CT 120M500SSD</b>	<b>mSATA</b>	<b>120 GB</b>	PASS	PASS	PASS
<b>CSS HEH74-064G</b>	<b>mSATA</b>	<b>64 GB</b>	PASS	PASS	PASS
<b>CSS HEH74-016G</b>	<b>mSATA</b>	<b>15 GB</b>	PASS	PASS	PASS
<b>acpi M2PDD-8L</b>	<b>NVMe</b>	<b>1 TB</b>	PASS	PASS	PASS

## 2.7 DVD-ROM Test

Test environment:

OS Windows 10 64bit

DVD-ROM Model	Interface	DVD-ROM Detect	DVD-ROM Data Transfer	Play DVD
PIONEER DVD DDVR-S16LBK	SATA	PASS	PASS	PASS
ASUS DRW-24D1ST	SATA	PASS	PASS	PASS
ASUS DRW-1814BLT	SATA	PASS	PASS	PASS
LG GH20NS15	SATA	PASS	PASS	PASS
LITE-ON iHES312	SATA	PASS	PASS	PASS
PIONEER DVD DVR-XD11T	USB	PASS	PASS	PASS
LITEON DVD eTAU108	USB	PASS	PASS	PASS

## 2.8 USB Test

Windows 10 64-bit

Item	Result	Remark
External USB Keyboard Test	PASS	
External USB Mouse Test	PASS	
Hot plugging test	PASS	
DVD-ROM	PASS	
USB Mass storage	PASS	

## 2.9 Serial Port Test

Windows 10 64-bit

Item	Description	Result	Remark
1	Device Manager Check	PASS	
2	RS-232 Mouse Test	PASS	

## 2.10 PS2 Keyboard 、 Mouse Test

Windows 10 64-bit

Item	Description	Result	Remark
1	Device Manager Check	PASS	
2	Keyboard Typing Test	PASS	
3	Mouse Detect Test	PASS	

## 2.11 LAN Test

Data Transfer Test environment:

-CAT 6 UTP 100M

-8 HR. continuous

Windows 10 64-bit

Item	Description	Result	Remark
1	Device Manager Check	PASS	(IPERF)
2	Data Transfer Test	PASS	(IPERF)

## 2.12 Power Supply Test

Item	Type	Description	Result	Remark
1	ATX Power	AcBel PC7008 430W	PASS	
2	ATX Power	SEED BS400 400W	PASS	
3	ATX Power	Seasonic SS-520GB 520W	PASS	
4	ATX Power	Seasonic SS-330HB 330W	PASS	

## 2.13 OS Install

Item	Description	Result	Remark
1	Windows 10 64 bit	PASS	

## 2.14 PCI Express Mini Card

Motherboard	PCI Express mini card	Result	Remark
LV-6712	MPX-210D	PASS	
	MPX-210D2	Only Mini Card2	
	MPX-225	PASS	
	MPX-574D	PASS	
	MPX-574D2	Only Mini Card2	
	MPX-350	PASS	
	MPX-4232	PASS	
	MPX-2213	PASS	
	MPX-750	NO SUPPLY	
	MPX-768	PASS	
	MPX-827	PASS	
	MPX-954	NO SUPPLY	
	MPX-954E	NO SUPPLY	EOL
	MPX-M2E	PASS	Include M2-210 & M2-225 & M2-2213
	MPX-M2EG	Only Mini Card2	
	MPX-6864	NO SUPPLY	
	MPX-8188	PASS	
	MPX-9125	NO SUPPLY	
MPX-25858	NO SUPPLY	EOL	



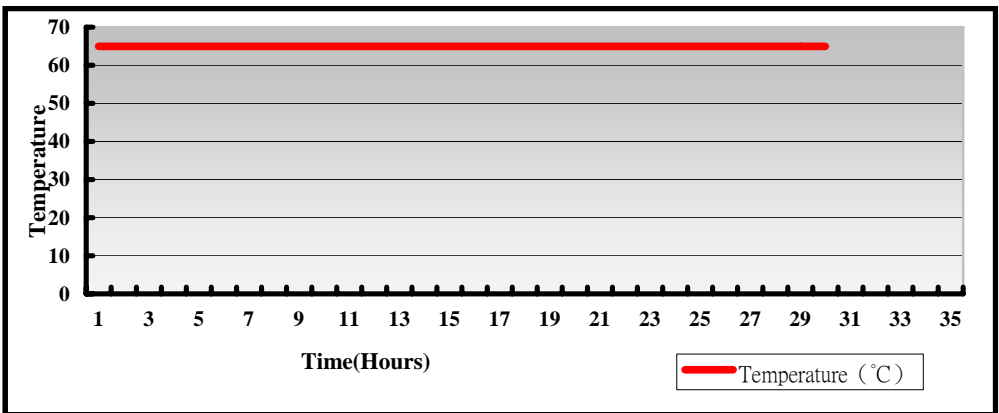
### 3. Environmental test

#### 3.1 Temperature Test

Hardware Device list:

System Board	LV – 67127_A
CPU	11th Gen Intel(R) Core(TM) i7-1185G7E 2.80GHz
Memory	Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY)
HDD	Western Digital WD10EALX-009BA0 1TB
Operating OS	Windows 10 64bit
Test Equipment	GIANT FORCE GTH-150-60-SP-AR LCD-9530 Programmer/Controller
Test Program	BurnIn 8.1 + Prime95

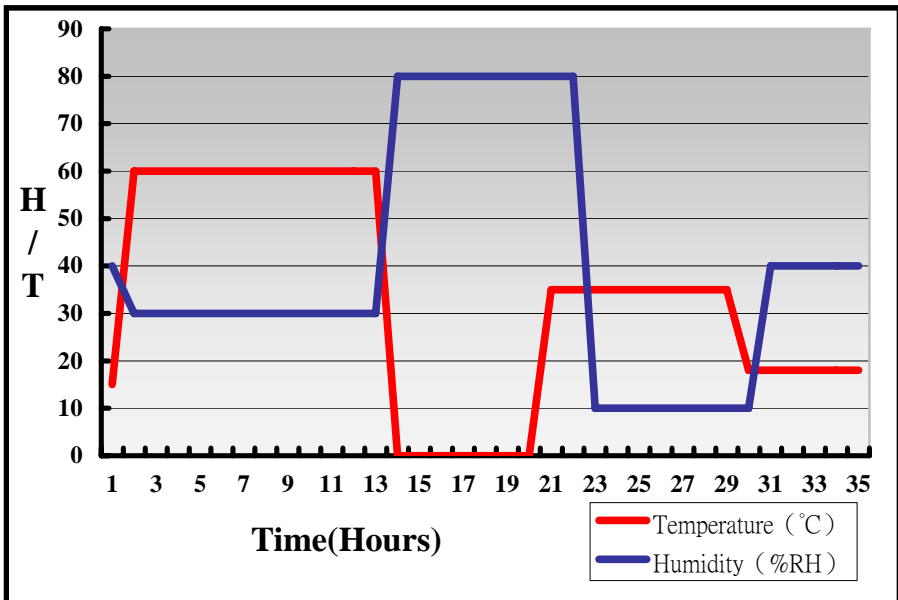
Test Result:



### Hardware Device list:

System Board	LV – 67127_A
CPU	11th Gen Intel(R) Core(TM) i7-1185G7E 2.80GHz
Memory	Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY)
HDD	Western Digital WD10EALX-009BA0 1TB
Operating OS	Windows 10 64bit
Test Equipment	GIANT FORCE GTH-150-60-SP-AR LCD-9530 Programmer/Controller
Test Program	BurnIn 8.1 + Prime95

### Test Result:



## Boot up Test:

### Hardware Device list:

<b>System Board</b>	LV – 67127_A
<b>CPU</b>	11th Gen Intel(R) Core(TM) i7-1185G7E 2.80GHz
<b>Memory</b>	Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY)
<b>HDD</b>	Western Digital WD10EALX-009BA0 1TB

<b>Temperature</b>	<b>Result</b>	<b>Remark</b>
-40°C	PASS	50 Times
85°C	PASS	50 Times

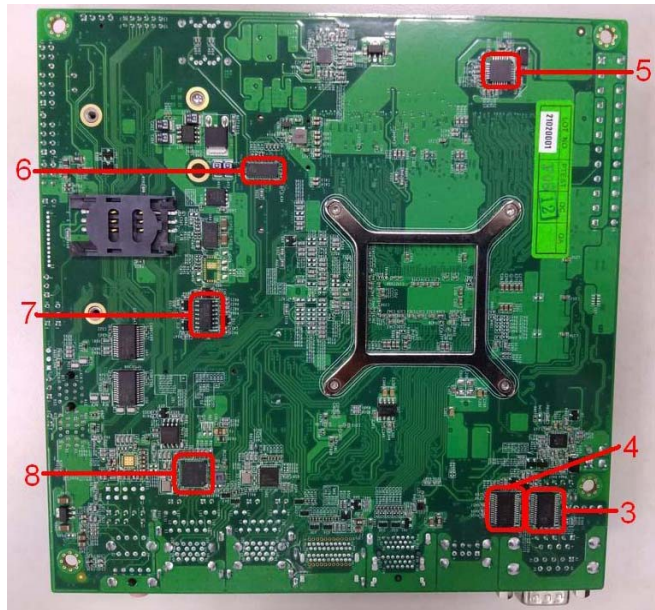
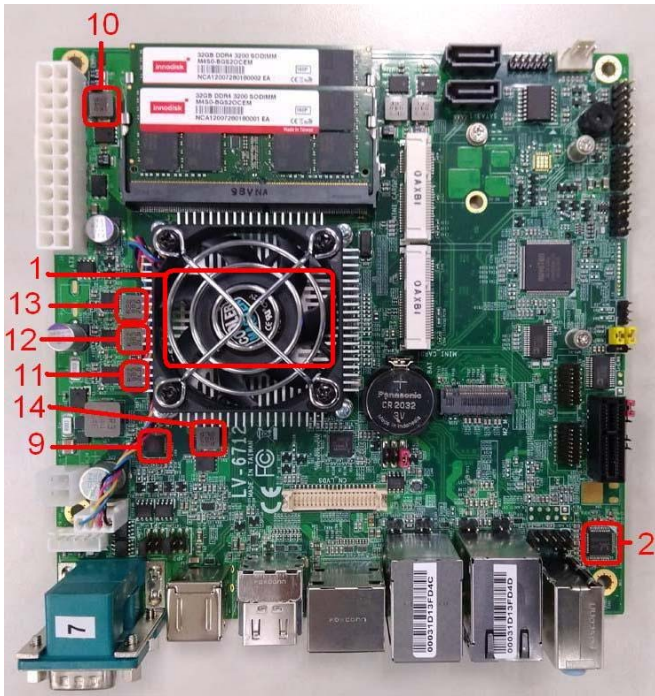
## 3.2 Thermal measurements at various points on the board

### Test Environment:

CPU	11th Gen Intel(R) Core(TM) i7-1185G7E 2.80GHz
Memory	INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE)
HDD	Western Digital WD10EALX-009BA0 1TB
Power Supply	AcBel PC7008 430W
Operating System	Windows 10 64-bit
Test Program	BurnIn8.1 + Prime95

### Test Result:

Item	Environmental temperature	25.2°C
1	CPU	46.1°C
2	U23 (ICHALC262-VD2-GR)	49°C
3	U28 (ICADM213ECA-T)	39.1°C
4	U29 (ICADM213ECA-T)	39.5°C
5	U30 (ISL6537CR)	44.9°C
6	U41 (ICPCIE3412)	38.8°C
7	U46 (ITS74HC14)	38.1°C
8	U47 (ICI225LM)	48.4°C
9	U55 (ICRAA229001-G)	39.1°C
10	L2 (LLC1.0UH/063T)	43.8°C
11	L3 (LLC0.22UH/063T)	47.3°C
12	L4 (LLC0.22UH/063T)	48.2°C
13	L5 (LLC0.22UH/063T)	46.1°C
14	L6 (LLC0.22UH/063T)	40.8°C



## 4. Reliability Test

### 4.1 Power Consumption Test

#### 1. Test Environment:

<b>Motherboard</b>	LV-6712C_A
<b>CPU</b>	Intel(R) Celeron(R) 6305E 1.80GHz
<b>Memory</b>	Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY)
<b>HDD</b>	Western Digital WD10EALX-009BA0 1TB

Power Supply: AcBel PC7008 430W

Voltage	MS-DOS Boot up		Windows 10 64bit BurnIn 7.1	
	Current ( A )	Power ( W )	Current ( A )	Power ( W )
12V	0.99	11.88	0.88	10.56
5V	2	10	2.23	11.15
3.3V	0.36	1.188	0.33	1.089
5VSB	0.372	1.86	0.002	0.01

#### 1. a. Test Environment:

The same as above but with LCD

<b>Display Panel</b>	LTM170EH-L01 17"LCD
----------------------	---------------------

Power Supply: AcBel PC7008 430W

Voltage	MS-DOS Boot up		Windows 10 64bit BurnIn 7.1	
	Current ( A )	Power ( W )	Current ( A )	Power ( W )
12V	1.5	18	2	24
5V	2.01	10.05	2.25	11.25
3.3V	1.76	5.808	1.75	5.775
5VSB	0.51	2.55	0.001	0.005

## 2. Test Environment:

<b>Motherboard</b>	<b>LV-67125_A</b>
<b>CPU</b>	<b>11th Gen Intel(R) Core(TM) i5-1145G7E 2.60GHz</b>
<b>Memory</b>	<b>Kingston DDR4 3200 32GB*2 (Micro OSE77 D9ZFY)</b>
<b>HDD</b>	<b>Western Digital WD10EALX-009BA0 1TB</b>

**Power Supply: AcBel PC7008 430W**

Voltage	MS-DOS Boot up		Windows 10 64bit BurnIn 7.1	
	Current ( A )	Power ( W )	Current ( A )	Power ( W )
<b>12V</b>	<b>0.71</b>	<b>8.52</b>	<b>2.64</b>	<b>31.68</b>
<b>5V</b>	<b>1.79</b>	<b>8.95</b>	<b>2.18</b>	<b>10.9</b>
<b>3.3V</b>	<b>0.35</b>	<b>1.155</b>	<b>0.32</b>	<b>1.056</b>
<b>5VSB</b>	<b>0.544</b>	<b>2.72</b>	<b>0.002</b>	<b>0.01</b>

### 2. a. Test Environment:

The same as above but with LCD

<b>Display Panel</b>	<b>LTM170EH-L01 17"LCD</b>
----------------------	----------------------------

**Power Supply: AcBel PC7008 430W**

Voltage	MS-DOS Boot up		Windows 10 64bit BurnIn 7.1	
	Current ( A )	Power ( W )	Current ( A )	Power ( W )
<b>12V</b>	<b>1.72</b>	<b>20.64</b>	<b>3.4</b>	<b>40.8</b>
<b>5V</b>	<b>1.81</b>	<b>9.05</b>	<b>2.04</b>	<b>10.2</b>
<b>3.3V</b>	<b>1.71</b>	<b>5.643</b>	<b>1.73</b>	<b>5.709</b>
<b>5VSB</b>	<b>0.493</b>	<b>2.465</b>	<b>0.011</b>	<b>0.055</b>

### 3. Test Environment:

<b>Motherboard</b>	<b>LV-67127_A</b>
<b>CPU</b>	<b>11th Gen Intel(R) Core(TM) i7-1185G7E 2.80GHz</b>
<b>Memory</b>	<b>Kingston DDR4 3200 32GB*2 (Micro OSE77 D9ZFY)</b>
<b>HDD</b>	<b>Western Digital WD10EALX-009BA0 1TB</b>

**Power Supply: AcBel PC7008 430W**

Voltage	MS-DOS Boot up		Windows 10 64bit BurnIn 7.1	
	Current ( A )	Power ( W )	Current ( A )	Power ( W )
12V	0.78	9.36	2.99	35.88
5V	1.82	9.1	2.71	13.55
3.3V	0.35	1.155	0.33	1.089
5VSB	0.516	2.58	0.017	0.085

### 3. a. Test Environment:

The same as above but with LCD

<b>Display Panel</b>	<b>LTM170EH-L01 17"LCD</b>
----------------------	----------------------------

**Power Supply: AcBel PC7008 430W**

Voltage	MS-DOS Boot up		Windows 10 64bit BurnIn 7.1	
	Current ( A )	Power ( W )	Current ( A )	Power ( W )
12V	1.86	22.32	4.43	53.16
5V	1.85	9.25	2.89	14.45
3.3V	1.79	5.907	1.53	5.049
5VSB	0.457	2.285	0.005	0.025



#### 4. Test Environment:

<b>Motherboard</b>	<b>LV-67123_A</b>
<b>CPU</b>	<b>11th Gen Intel(R) Core(TM) i3-1115G4E 3.00GHz</b>
<b>Memory</b>	<b>Kingston DDR4 3200 32GB*2 (Micro OSE77 D9ZFY)</b>
<b>HDD</b>	<b>Western Digital WD10EALX-009BA0 1TB</b>

**Power Supply: AcBel PC7008 430W**

Voltage	MS-DOS Boot up		Windows 10 64bit BurnIn 7.1	
	Current ( A )	Power ( W )	Current ( A )	Power ( W )
<b>12V</b>	<b>0.76</b>	<b>9.12</b>	<b>1.73</b>	<b>20.76</b>
<b>5V</b>	<b>1.91</b>	<b>9.55</b>	<b>2.24</b>	<b>11.2</b>
<b>3.3V</b>	<b>0.36</b>	<b>1.188</b>	<b>0.32</b>	<b>1.056</b>
<b>5VSB</b>	<b>0.475</b>	<b>2.375</b>	<b>0.02</b>	<b>0.1</b>

#### 4. a. Test Environment:

The same as above but with LCD

<b>Display Panel</b>	<b>LTM170EH-L01 17"LCD</b>
----------------------	----------------------------

**Power Supply: AcBel PC7008 430W**

Voltage	MS-DOS Boot up		Windows 10 64bit BurnIn 7.1	
	Current ( A )	Power ( W )	Current ( A )	Power ( W )
<b>12V</b>	<b>1.73</b>	<b>20.76</b>	<b>2.91</b>	<b>34.92</b>
<b>5V</b>	<b>1.96</b>	<b>9.8</b>	<b>1.52</b>	<b>7.6</b>
<b>3.3V</b>	<b>1.61</b>	<b>5.313</b>	<b>1.6</b>	<b>5.28</b>
<b>5VSB</b>	<b>0.465</b>	<b>2.325</b>	<b>0.004</b>	<b>0.02</b>

## 5. Test Environment:

<b>Motherboard</b>	<b>LV-67127W_A</b>
<b>CPU</b>	<b>11th Gen Intel(R) Core(TM) i7-1185GRE 2.80GHz</b>
<b>Memory</b>	<b>Kingston DDR4 3200 32GB*2 (Micro OSE77 D9ZFY)</b>
<b>HDD</b>	<b>Western Digital WD10EALX-009BA0 1TB</b>

**Power Supply: AcBel PC7008 430W**

<b>Voltage</b>	<b>MS-DOS Boot up</b>		<b>Windows 10 64bit BurnIn 7.1</b>	
	<b>Current ( A )</b>	<b>Power ( W )</b>	<b>Current ( A )</b>	<b>Power ( W )</b>
<b>12V</b>	<b>2.87</b>	<b>34.44</b>	<b>3.13</b>	<b>37.56</b>
<b>5V</b>	<b>2.33</b>	<b>11.65</b>	<b>2.82</b>	<b>14.1</b>
<b>3.3V</b>	<b>0.36</b>	<b>1.188</b>	<b>0.32</b>	<b>1.056</b>
<b>5VSB</b>	<b>0.486</b>	<b>2.43</b>	<b>0.004</b>	<b>0.02</b>

## 5. a. Test Environment:

**The same as above but with LCD**

<b>Display Panel</b>	<b>LTM170EH-L01 "LCD</b>
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**Power Supply: AcBel PC7008 430W**

<b>Voltage</b>	<b>MS-DOS Boot up</b>		<b>Windows 10 64bit BurnIn 7.1</b>	
	<b>Current ( A )</b>	<b>Power ( W )</b>	<b>Current ( A )</b>	<b>Power ( W )</b>
<b>12V</b>	<b>1.81</b>	<b>21.72</b>	<b>4.42</b>	<b>53.04</b>
<b>5V</b>	<b>2.57</b>	<b>12.85</b>	<b>2.82</b>	<b>14.1</b>
<b>3.3V</b>	<b>1.78</b>	<b>58.74</b>	<b>1.47</b>	<b>7.35</b>
<b>5VSB</b>	<b>0.455</b>	<b>2.275</b>	<b>0.003</b>	<b>0.015</b>

## 5. Performance Test

### 5.1 3D MARK VANTAGE

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	P10572
2	GPU SCORE		PASS	8673
3	CPU SCORE		PASS	30801

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	P10252
2	GPU SCORE		PASS	8390
3	CPU SCORE		PASS	30678

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	P9738
2	GPU SCORE		PASS	7933
3	CPU SCORE		PASS	30669

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	P9735
2	GPU SCORE		PASS	7928
3	CPU SCORE		PASS	30780

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185G7E 2.80GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	P10723
2	GPU SCORE		PASS	8816
3	CPU SCORE		PASS	30543

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185G7E 2.80GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	P9755
2	GPU SCORE		PASS	7953
3	CPU SCORE		PASS	30469

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i5-1145G7E 2.60GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	P9112
2	GPU SCORE		PASS	7362
3	CPU SCORE		PASS	31782

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i5-1145G7E 2.60GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	P9025
2	GPU SCORE		PASS	7295
3	CPU SCORE		PASS	31308

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i5-1145G7E 2.60GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	P8391
2	GPU SCORE		PASS	6739
3	CPU SCORE		PASS	31683

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM)</b> <b>i5-1145G7E 2.60GHz</b> <b>Kingston DDR4 3200 16GB</b> <b>(SK hynix H5AN8G8NDJ)</b> <b>Western Digital</b> <b>WD10EALX-009BA0 1TB</b>	PASS	P8382
2	GPU SCORE		PASS	6731
3	CPU SCORE		PASS	31711

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM)</b> <b>i5-1145G7E 2.60GHz</b> <b>INNODISK DDR4 3200 32GB*2</b> <b>(SEC016 K4AAG0B 5WABCWE)</b> <b>Western Digital</b> <b>WD10EALX-009BA0 1TB</b>	PASS	P9063
2	GPU SCORE		PASS	7322
3	CPU SCORE		PASS	31608

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM)</b> <b>i5-1145G7E 2.60GHz</b> <b>INNODISK DDR4 3200 32GB</b> <b>(SEC016 K4AAG0B 5WABCWE)</b> <b>Western Digital</b> <b>WD10EALX-009BA0 1TB</b>	PASS	P8301
2	GPU SCORE		PASS	6666
3	CPU SCORE		PASS	31399

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	P6033
2	GPU SCORE		PASS	4993
3	CPU SCORE		PASS	16093

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	P6073
2	GPU SCORE		PASS	5029
3	CPU SCORE		PASS	16079

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	P5786
2	GPU SCORE		PASS	4772
3	CPU SCORE		PASS	15970

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	P5813
2	GPU SCORE		PASS	4793
3	CPU SCORE		PASS	16079

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1115G4E 3.00GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	P6039
2	GPU SCORE		PASS	4999
3	CPU SCORE		PASS	16066

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1115G4E 3.00GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	P5782
2	GPU SCORE		PASS	4771
3	CPU SCORE		PASS	15844



**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185GRE 2.80GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	P9993
2	GPU SCORE		PASS	8155
3	CPU SCORE		PASS	30853

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185GRE 2.80GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	P10145
2	GPU SCORE		PASS	8267
3	CPU SCORE		PASS	31852

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185GRE 2.80GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	P8215
2	GPU SCORE		PASS	6603
3	CPU SCORE		PASS	30698

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185GRE 2.80GHz Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	P8197
2	GPU SCORE		PASS	6587
3	CPU SCORE		PASS	30760

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185GRE 2.80GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	P9903
2	GPU SCORE		PASS	8074
3	CPU SCORE		PASS	30907

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185GRE 2.80GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	P8085
2	GPU SCORE		PASS	6496
3	CPU SCORE		PASS	30378

## 5.2 3D MARK 11

### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB</b>	PASS	E4540
2	Graphics SCORE		PASS	4047
3	Physics SCORE		PASS	13073
4	Combined SCORE		PASS	3126

### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB</b>	PASS	P2605
2	Graphics SCORE		PASS	2261
3	Physics SCORE		PASS	13305
4	Combined SCORE		PASS	2451

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM)</b> <b>i7-1185G7E 2.80GHz</b> <b>Kingston DDR4 3200 32GB</b> <b>(Micron OSE77 D9ZFY)</b> <b>Kingston DDR4 3200 16GB</b> <b>(SK hynix H5AN8G8NDJ)</b> <b>Western Digital</b> <b>WD10EALX-009BA0 1TB</b>	PASS	E4538
2	Graphics SCORE		PASS	4043
3	Physics SCORE		PASS	13283
4	Combined SCORE		PASS	3110

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM)</b> <b>i7-1185G7E 2.80GHz</b> <b>Kingston DDR4 3200 32GB</b> <b>(Micron OSE77 D9ZFY)</b> <b>Kingston DDR4 3200 16GB</b> <b>(SK hynix H5AN8G8NDJ)</b> <b>Western Digital</b> <b>WD10EALX-009BA0 1TB</b>	PASS	P2611
2	Graphics SCORE		PASS	2266
3	Physics SCORE		PASS	13309
4	Combined SCORE		PASS	2460

### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB</b>	PASS	E4372
2	Graphics SCORE		PASS	3969
3	Physics SCORE		PASS	11445
4	Combined SCORE		PASS	2868

### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB</b>	PASS	P2542
2	Graphics SCORE		PASS	2228
3	Physics SCORE		PASS	11403
4	Combined SCORE		PASS	2295

### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB</b>	PASS	X740
2	Graphics SCORE		PASS	655
3	Physics SCORE		PASS	11413
4	Combined SCORE		PASS	826

### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB</b>	PASS	E4371
2	Graphics SCORE		PASS	3966
3	Physics SCORE		PASS	11473
4	Combined SCORE		PASS	2872

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	P2544
2	Graphics SCORE		PASS	2230
3	Physics SCORE		PASS	11476
4	Combined SCORE		PASS	2296

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185G7E 2.80GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	E4514
2	Graphics SCORE		PASS	4023
3	Physics SCORE		PASS	13068
4	Combined SCORE		PASS	3104

### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185G7E 2.80GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	P2598
2	Graphics SCORE		PASS	2256
3	Physics SCORE		PASS	13039
4	Combined SCORE		PASS	2445

### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCOR4E	Intel(R) Core(TM) i7-1185G7E 2.80GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	E4349
2	Graphics SCORE		PASS	3956
3	Physics SCORE		PASS	11281
4	Combined SCORE		PASS	2839



### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM)</b> <b>i7-1185G7E 2.80GHz</b> <b>INNODISK DDR4 3200 32GB</b> <b>(SEC016 K4AAG0B 5WABCWE)</b> <b>Western Digital</b> <b>WD10EALX-009BA0 1TB</b>	PASS	P2536
2	Graphics SCORE		PASS	2236
3	Physics SCORE		PASS	10081
4	Combined SCORE		PASS	2276

### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM)</b> <b>i5-1145G7E 2.60GHz</b> <b>Kingston DDR4 3200 32GB*2</b> <b>(Micron OSE77 D9ZFY)</b> <b>Western Digital</b> <b>WD10EALX-009BA0 1TB</b>	PASS	E3999
2	Graphics SCORE		PASS	3581
3	Physics SCORE		PASS	11148
4	Combined SCORE		PASS	2731

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i5-1145G7E 2.60GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	P2296
2	Graphics SCORE		PASS	1998
3	Physics SCORE		PASS	10954
4	Combined SCORE		PASS	2153

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i5-1145G7E 2.60GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	E4001
2	Graphics SCORE		PASS	3558
3	Physics SCORE		PASS	12232
4	Combined SCORE		PASS	2714

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM)  i5-1145G7E 2.60GHz  Kingston DDR4 3200 32GB  (Micron OSE77 D9ZFY)  Kingston DDR4 3200 16GB  (SK hynix H5AN8G8NDJ)  Western Digital  WD10EALX-009BA0 1TB</b>	PASS	P2297
2	Graphics SCORE		PASS	1993
3	Physics SCORE		PASS	12270
4	Combined SCORE		PASS	2140

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM)  i5-1145G7E 2.60GHz  Kingston DDR4 3200 32GB  (Micron OSE77 D9ZFY)  Western Digital  WD10EALX-009BA0 1TB</b>	PASS	E3883
2	Graphics SCORE		PASS	3510
3	Physics SCORE		PASS	10479
4	Combined SCORE		PASS	2563

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i5-1145G7E 2.60GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB</b>	PASS	P2247
2	Graphics SCORE		PASS	1972
3	Physics SCORE		PASS	9673
4	Combined SCORE		PASS	2040

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i5-1145G7E 2.60GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB</b>	PASS	X641
2	Graphics SCORE		PASS	568
3	Physics SCORE		PASS	10369
4	Combined SCORE		PASS	715

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i5-1145G7E 2.60GHz Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB</b>	PASS	E3877
2	Graphics SCORE		PASS	3506
3	Physics SCORE		PASS	10437
4	Combined SCORE		PASS	2561

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i5-1145G7E 2.60GHz Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB</b>	PASS	P2213
2	Graphics SCORE		PASS	1935
3	Physics SCORE		PASS	10074
4	Combined SCORE		PASS	2030

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i5-1145G7E 2.60GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	E3980
2	Graphics SCORE		PASS	3546
3	Physics SCORE		PASS	12022
4	Combined SCORE		PASS	2688

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i5-1145G7E 2.60GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	P2259
2	Graphics SCORE		PASS	1960
3	Physics SCORE		PASS	11547
4	Combined SCORE		PASS	2135

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i5-1145G7E 2.60GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	E3847
2	Graphics SCORE		PASS	3482
3	Physics SCORE		PASS	10269
4	Combined SCORE		PASS	2536

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i5-1145G7E 2.60GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	P2234
2	Graphics SCORE		PASS	1957
3	Physics SCORE		PASS	10197
4	Combined SCORE		PASS	2021

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	E3924
2	Graphics SCORE		PASS	2619
3	Physics SCORE		PASS	6648
4	Combined SCORE		PASS	2241

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	P1655
2	Graphics SCORE		PASS	1437
3	Physics SCORE		PASS	6634
4	Combined SCORE		PASS	1685



**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB</b>	PASS	E2906
2	Graphics SCORE		PASS	2604
3	Physics SCORE		PASS	6522
4	Combined SCORE		PASS	2243

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB</b>	PASS	P1660
2	Graphics SCORE		PASS	1441
3	Physics SCORE		PASS	6617
4	Combined SCORE		PASS	1695

### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB</b>	PASS	E2876
2	Graphics SCORE		PASS	2585
3	Physics SCORE		PASS	6382
4	Combined SCORE		PASS	2195

### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB</b>	PASS	P1642
2	Graphics SCORE		PASS	1428
3	Physics SCORE		PASS	6379
4	Combined SCORE		PASS	1667

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	X449
2	Graphics SCORE		PASS	394
3	Physics SCORE		PASS	6340
4	Combined SCORE		PASS	559

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	E2874
2	Graphics SCORE		PASS	2586
3	Physics SCORE		PASS	6338
4	Combined SCORE		PASS	2190

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB</b>	PASS	P1647
2	Graphics SCORE		PASS	1434
3	Physics SCORE		PASS	6349
4	Combined SCORE		PASS	1659

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i3-1115G4E 3.00GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB</b>	PASS	E2891
2	Graphics SCORE		PASS	2596
3	Physics SCORE		PASS	6372
4	Combined SCORE		PASS	2230

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1115G4E 3.00GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	P1636
2	Graphics SCORE		PASS	1418
3	Physics SCORE		PASS	6505
4	Combined SCORE		PASS	1688

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1115G4E 3.00GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	E2864
2	Graphics SCORE		PASS	2580
3	Physics SCORE		PASS	6285
4	Combined SCORE		PASS	2177

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1115G4E 3.00GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	P1635
2	Graphics SCORE		PASS	1423
3	Physics SCORE		PASS	6298
4	Combined SCORE		PASS	1656

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185GRE 2.80GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	E4375
2	Graphics SCORE		PASS	3974
3	Physics SCORE		PASS	10682
4	Combined SCORE		PASS	2970

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185GRE 2.80GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	P2553
2	Graphics SCORE		PASS	2237
3	Physics SCORE		PASS	10659
4	Combined SCORE		PASS	2364

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185GRE 2.80GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	E4511
2	Graphics SCORE		PASS	4038
3	Physics SCORE		PASS	12405
4	Combined SCORE		PASS	3108

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM)                      i7-1185GRE 2.80GHz                      Kingston DDR4 3200 32GB                      (Micron OSE77 D9ZFY)                      Kingston DDR4 3200 16GB                      (SK hynix H5AN8G8NDJ)                      Western Digital                      WD10EALX-009BA0 1TB</b>	PASS	P2604
2	Graphics SCORE		PASS	2265
3	Physics SCORE		PASS	12498
4	Combined SCORE		PASS	2450

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM)                      i7-1185GRE 2.80GHz                      Kingston DDR4 3200 32GB                      (Micron OSE77 D9ZFY)                      Western Digital                      WD10EALX-009BA0 1TB</b>	PASS	E3972
2	Graphics SCORE		PASS	3806
3	Physics SCORE		PASS	7793
4	Combined SCORE		PASS	2373



**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i7-1185GRE 2.80GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB</b>	PASS	P2374
2	Graphics SCORE		PASS	2138
3	Physics SCORE		PASS	7788
4	Combined SCORE		PASS	1956

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i7-1185GRE 2.80GHz Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB</b>	PASS	E3939
2	Graphics SCORE		PASS	3791
3	Physics SCORE		PASS	7495
4	Combined SCORE		PASS	2354

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185GRE 2.80GHz Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	P2374
2	Graphics SCORE		PASS	2138
3	Physics SCORE		PASS	7788
4	Combined SCORE		PASS	1956

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185GRE 2.80GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	E4341
2	Graphics SCORE		PASS	3954
3	Physics SCORE		PASS	10384
4	Combined SCORE		PASS	2940

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Test Environment</b>	<b>Result</b>	<b>Remark</b>
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185GRE 2.80GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	P2533
2	Graphics SCORE		PASS	2220
3	Physics SCORE		PASS	10480
4	Combined SCORE		PASS	2380

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Test Environment</b>	<b>Result</b>	<b>Remark</b>
1	3DMARK SCORE	Intel(R) Core(TM) i7-1185GRE 2.80GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	E3931
2	Graphics SCORE		PASS	3776
3	Physics SCORE		PASS	7672
4	Combined SCORE		PASS	2330

### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i7-1185GRE 2.80GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB</b>	PASS	P2533
2	Graphics SCORE		PASS	2220
3	Physics SCORE		PASS	10480
4	Combined SCORE		PASS	2348

### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	<b>Intel(R) Core(TM) i7-1185GRE 2.80GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB</b>	PASS	X647
2	Graphics SCORE		PASS	583
3	Physics SCORE		PASS	7602
4	Combined SCORE		PASS	632

### 5.3 3D MARK

#### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	<b>Intel(R) Celeron(R) 6305E 1.80GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB</b>	PASS	353
2	Graphics SCORE		PASS	315
3	CPU SCORE		PASS	1121

#### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	<b>Intel(R) Celeron(R) 6305E 1.80GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB</b>	PASS	347
2	Graphics SCORE		PASS	310
3	CPU SCORE		PASS	1111

#### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	<b>Intel(R) Celeron(R) 6305E 1.80GHz Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB</b>	PASS	347
2	Graphics SCORE		PASS	310
3	CPU SCORE		PASS	1109

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Celeron(R) 6305E 1.80GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	350
2	Graphics SCORE		PASS	313
3	CPU SCORE		PASS	1077

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Celeron(R) 6305E 1.80GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	345
2	Graphics SCORE		PASS	308
3	CPU SCORE		PASS	1099

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	619
2	Graphics SCORE		PASS	538
3	CPU SCORE		PASS	4274

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i7-1185G7E 2.80GHz	PASS	612
2	Graphics SCORE	Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)	PASS	532
3	CPU SCORE	Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	4156

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i7-1185G7E 2.80GHz	PASS	591
2	Graphics SCORE	Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)	PASS	515
3	CPU SCORE	Western Digital WD10EALX-009BA0 1TB	PASS	3826

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i7-1185G7E 2.80GHz	PASS	591
2	Graphics SCORE	Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ)	PASS	515
3	CPU SCORE	Western Digital WD10EALX-009BA0 1TB	PASS	3845

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	<b>Intel(R) Core(TM) i7-1185G7E 2.80GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB</b>	PASS	615
2	Graphics SCORE		PASS	535
3	CPU SCORE		PASS	4228

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	<b>Intel(R) Core(TM) i7-1185G7E 2.80GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB</b>	PASS	588
2	Graphics SCORE		PASS	512
3	CPU SCORE		PASS	3760

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	<b>Intel(R) Core(TM) i5-1145G7E 2.60GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB</b>	PASS	215
2	Graphics SCORE		PASS	185
3	CPU SCORE		PASS	3346



**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i5-1145G7E 2.60GHz	PASS	217
2	Graphics SCORE	Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)	PASS	187
3	CPU SCORE	Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	3354

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i5-1145G7E 2.60GHz	PASS	213
2	Graphics SCORE	Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)	PASS	183
3	CPU SCORE	Western Digital WD10EALX-009BA0 1TB	PASS	3253

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i5-1145G7E 2.60GHz	PASS	213
2	Graphics SCORE	Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ)	PASS	183
3	CPU SCORE	Western Digital WD10EALX-009BA0 1TB	PASS	3252

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	<b>Intel(R) Core(TM)</b> <b>i5-1145G7E 2.60GHz</b> <b>INNODISK DDR4 3200 32GB*2</b> <b>(SEC016 K4AAG0B 5WABCWE)</b> <b>Western Digital</b> <b>WD10EALX-009BA0 1TB</b>	PASS	216
2	Graphics SCORE		PASS	186
3	CPU SCORE		PASS	3351

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	<b>Intel(R) Core(TM)</b> <b>i5-1145G7E 2.60GHz</b> <b>INNODISK DDR4 3200 32GB</b> <b>(SEC016 K4AAG0B 5WABCWE)</b> <b>Western Digital</b> <b>WD10EALX-009BA0 1TB</b>	PASS	211
2	Graphics SCORE		PASS	182
3	CPU SCORE		PASS	3214

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	<b>Intel(R) Core(TM)</b> <b>i3-1115G4E 3.00GHz</b> <b>Kingston DDR4 3200 32GB*2</b> <b>(Micron OSE77 D9ZFY)</b> <b>Western Digital</b> <b>WD10EALX-009BA0 1TB</b>	PASS	0
2	Graphics SCORE		PASS	315
3	CPU SCORE		PASS	0

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i3-1115G4E 3.00GHz	PASS	0
2	Graphics SCORE	Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)	PASS	315
3	CPU SCORE	Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	0

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i3-1115G4E 3.00GHz	PASS	0
2	Graphics SCORE	Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)	PASS	310
3	CPU SCORE	Western Digital WD10EALX-009BA0 1TB	PASS	0

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i3-1115G4E 3.00GHz	PASS	0
2	Graphics SCORE	Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ)	PASS	310
3	CPU SCORE	Western Digital WD10EALX-009BA0 1TB	PASS	0

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i3-1115G4E 3.00GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	0
2	Graphics SCORE		PASS	313
3	CPU SCORE		PASS	0

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i3-1115G4E 3.00GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	0
2	Graphics SCORE		PASS	308
3	CPU SCORE		PASS	0

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i7-1185GRE 2.80GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	596
2	Graphics SCORE		PASS	520
3	CPU SCORE		PASS	3573

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i7-1185GRE 2.80GHz	PASS	619
2	Graphics SCORE	Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)	PASS	538
3	CPU SCORE	Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	4451

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i7-1185GRE 2.80GHz	PASS	530
2	Graphics SCORE	Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)	PASS	463
3	CPU SCORE	Western Digital WD10EALX-009BA0 1TB	PASS	3025

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i7-1185GRE 2.80GHz	PASS	0
2	Graphics SCORE	Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ)	PASS	464
3	CPU SCORE	Western Digital WD10EALX-009BA0 1TB	PASS	0

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i7-1185GRE 2.80GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	593
2	Graphics SCORE		PASS	516
3	CPU SCORE		PASS	3866

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i7-1185GRE 2.80GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE) Western Digital WD10EALX-009BA0 1TB	PASS	0
2	Graphics SCORE		PASS	458
3	CPU SCORE		PASS	0

## 5.4 PC MARK 7

Windows 10 64-bit

Weighted Suite	Test Environment	Result	Remark
PCMARK 7 Scores	Intel(R) Core(TM) i3-8100 3.6GHz Kingston KVR26N19S8/8 8GB*2 (Micron 7VH75D9VHP) INTEL SSDSC2BW240A4 240GB	PASS	6574

Windows 10 64-bit

Weighted Suite	Test Environment	Result	Remark
PCMARK 7 Scores	Intel(R) Core(TM) i3-8100 3.6GHz Crucial CT16G4DFF8266.C16FD1 16GB*2 INTEL SSDSC2BW240A4 240GB	PASS	6567

**Windows 10 64-bit**

<b>Weighted Suite</b>	<b>Test Environment</b>	<b>Result</b>	<b>Remark</b>
<b>PCMARK 7 Scores</b>	<b>Intel(R) Pentium(R) Gold G5400 3.7GHz Kingston KVR26N19S8/8 8GB*2 (Micron 7VH75D9VHP) INTEL SSDSC2BW240A4 240GB</b>	<b>PASS</b>	<b>6018</b>

**Windows 10 64-bit**

<b>Weighted Suite</b>	<b>Test Environment</b>	<b>Result</b>	<b>Remark</b>
<b>PCMARK 7 Scores</b>	<b>Intel(R) Pentium(R) Gold G5400 3.7GHz Crucial CT16G4DFF8266.C16FD1 16GB*2 INTEL SSDSC2BW240A4 240GB</b>	<b>PASS</b>	<b>6032</b>



**Windows 10 64-bit**

<b>Weighted Suite</b>	<b>Test Environment</b>	<b>Result</b>	<b>Remark</b>
<b>PCMARK 7 Scores</b>	<b>Intel(R) Celeron(R) G4900 3.1GHz Kingston KVR26N19S8/8 8GB*2 (Micron 7VH75D9VHP) INTEL SSDSC2BW240A4 240GB</b>	<b>PASS</b>	<b>5566</b>

**Windows 10 64-bit**

<b>Weighted Suite</b>	<b>Test Environment</b>	<b>Result</b>	<b>Remark</b>
<b>PCMARK 7 Scores</b>	<b>Intel(R) Celeron(R) G4900 3.1GHz Crucial CT16G4DFF8266.C16FD1 16GB*2 INTEL SSDSC2BW240A4 240GB</b>	<b>PASS</b>	<b>5305</b>

## 5.5 PC MARK10

Test Environment
Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB

Windows 10 64-bit

Item	Weighted Suite	Result	Remark
1	PCMark Scores	PASS	3378
2	Essentials	PASS	6567
3	Productivity	PASS	5223
4	Digital Content Creation	PASS	3052

Test Environment
Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB

Windows 10 64-bit

Item	Weighted Suite	Result	Remark
1	PCMark Scores	PASS	3509
2	Essentials	PASS	6977
3	Productivity	PASS	5602
4	Digital Content Creation	PASS	3002

<b>Test Environment</b>
<b>Intel(R) Core(TM) i7-1185G7E 2.80GHz</b> <b>Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
1	PCMark Scores	PASS	3437
2	Essentials	PASS	6614
3	Productivity	PASS	5515
4	Digital Content Creation	PASS	3021

<b>Test Environment</b>
<b>Intel(R) Core(TM) i7-1185G7E 2.80GHz</b> <b>Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
1	PCMark Scores	PASS	3454
2	Essentials	PASS	6852
3	Productivity	PASS	5676
4	Digital Content Creation	PASS	2984

<b>Test Environment</b>
<b>Intel(R) Core(TM) i7-1185G7E 2.80GHz</b> <b>INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
<b>1</b>	<b>PCMark Scores</b>	PASS	3488
<b>2</b>	<b>Essentials</b>	PASS	6958
<b>3</b>	<b>Productivity</b>	PASS	5526
<b>4</b>	<b>Digital Content Creation</b>	PASS	2995

<b>Test Environment</b>
<b>Intel(R) Core(TM) i7-1185G7E 2.80GHz</b> <b>INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
<b>1</b>	<b>PCMark Scores</b>	PASS	3387
<b>2</b>	<b>Essentials</b>	PASS	6594
<b>3</b>	<b>Productivity</b>	PASS	5330
<b>4</b>	<b>Digital Content Creation</b>	PASS	3003

<b>Test Environment</b>
<b>Intel(R) Core(TM) i5-1145G7E 2.60GHz</b> <b>Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
1	<b>PCMark Scores</b>	PASS	3301
2	<b>Essentials</b>	PASS	6602
3	<b>Productivity</b>	PASS	5273
4	<b>Digital Content Creation</b>	PASS	2804

<b>Test Environment</b>
<b>Intel(R) Core(TM) i5-1145G7E 2.60GHz</b> <b>Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)</b> <b>Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
1	<b>PCMark Scores</b>	PASS	3307
2	<b>Essentials</b>	PASS	6705
3	<b>Productivity</b>	PASS	5229
4	<b>Digital Content Creation</b>	PASS	2831

<b>Test Environment</b>
<b>Intel(R) Core(TM) i5-1145G7E 2.60GHz</b> <b>Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
1	PCMark Scores	PASS	3220
2	Essentials	PASS	6340
3	Productivity	PASS	5113
4	Digital Content Creation	PASS	2795

<b>Test Environment</b>
<b>Intel(R) Core(TM) i5-1145G7E 2.60GHz</b> <b>Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
1	PCMark Scores	PASS	3240
2	Essentials	PASS	6514
3	Productivity	PASS	5060
4	Digital Content Creation	PASS	2802

<b>Test Environment</b>
<b>Intel(R) Core(TM) i5-1145G7E 2.60GHz</b> <b>INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
<b>1</b>	<b>PCMark Scores</b>	PASS	3275
<b>2</b>	<b>Essentials</b>	PASS	6669
<b>3</b>	<b>Productivity</b>	PASS	5089
<b>4</b>	<b>Digital Content Creation</b>	PASS	2810

<b>Test Environment</b>
<b>Intel(R) Core(TM) i5-1145G7E 2.60GHz</b> <b>INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
<b>1</b>	<b>PCMark Scores</b>	PASS	3241
<b>2</b>	<b>Essentials</b>	PASS	6473
<b>3</b>	<b>Productivity</b>	PASS	5126
<b>4</b>	<b>Digital Content Creation</b>	PASS	2786

<b>Test Environment</b>
<b>Intel(R) Core(TM) i3-1115G4E 3.00GHz</b> <b>Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
<b>1</b>	<b>PCMark Scores</b>	PASS	2708
<b>2</b>	<b>Essentials</b>	PASS	5678
<b>3</b>	<b>Productivity</b>	PASS	4733
<b>4</b>	<b>Digital Content Creation</b>	PASS	2006

<b>Test Environment</b>
<b>Intel(R) Core(TM) i3-1115G4E 3.00GHz</b> <b>Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)</b> <b>Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
<b>1</b>	<b>PCMark Scores</b>	PASS	2715
<b>2</b>	<b>Essentials</b>	PASS	5620
<b>3</b>	<b>Productivity</b>	PASS	4815
<b>4</b>	<b>Digital Content Creation</b>	PASS	2009



<b>Test Environment</b>
<b>Intel(R) Core(TM) i3-1115G4E 3.00GHz</b> <b>Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
1	PCMark Scores	PASS	2757
2	Essentials	PASS	5917
3	Productivity	PASS	4902
4	Digital Content Creation	PASS	1989

<b>Test Environment</b>
<b>Intel(R) Core(TM) i3-1115G4E 3.00GHz</b> <b>Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
1	PCMark Scores	PASS	2710
2	Essentials	PASS	5703
3	Productivity	PASS	4799
4	Digital Content Creation	PASS	1976

<b>Test Environment</b>
<b>Intel(R) Core(TM) i3-1115G4E 3.00GHz</b> <b>INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
<b>1</b>	<b>PCMark Scores</b>	PASS	2753
<b>2</b>	<b>Essentials</b>	PASS	5923
<b>3</b>	<b>Productivity</b>	PASS	4814
<b>4</b>	<b>Digital Content Creation</b>	PASS	1986

<b>Test Environment</b>
<b>Intel(R) Core(TM) i3-1115G4E 3.00GHz</b> <b>INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
<b>1</b>	<b>PCMark Scores</b>	PASS	2739
<b>2</b>	<b>Essentials</b>	PASS	5752
<b>3</b>	<b>Productivity</b>	PASS	4776
<b>4</b>	<b>Digital Content Creation</b>	PASS	2031

<b>Test Environment</b>
<b>Intel(R) Core(TM) i7-1185GRE 2.80GHz</b> <b>Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
1	PCMark Scores	PASS	3377
2	Essentials	PASS	6678
3	Productivity	PASS	5298
4	Digital Content Creation	PASS	2954

<b>Test Environment</b>
<b>Intel(R) Core(TM) i7-1185GRE 2.80GHz</b> <b>Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)</b> <b>Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
1	PCMark Scores	PASS	3470
2	Essentials	PASS	6825
3	Productivity	PASS	5483
4	Digital Content Creation	PASS	3030

<b>Test Environment</b>
<b>Intel(R) Core(TM) i7-1185GRE 2.80GHz</b> <b>Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
1	PCMark Scores	PASS	2898
2	Essentials	PASS	5294
3	Productivity	PASS	4276
4	Digital Content Creation	PASS	2921

<b>Test Environment</b>
<b>Intel(R) Core(TM) i7-1185GRE 2.80GHz</b> <b>Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
1	PCMark Scores	PASS	3271
2	Essentials	PASS	6350
3	Productivity	PASS	5226
4	Digital Content Creation	PASS	2863

<b>Test Environment</b>
<b>Intel(R) Core(TM) i7-1185GRE 2.80GHz</b> <b>INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
<b>1</b>	<b>PCMark Scores</b>	PASS	3333
<b>2</b>	<b>Essentials</b>	PASS	6582
<b>3</b>	<b>Productivity</b>	PASS	5227
<b>4</b>	<b>Digital Content Creation</b>	PASS	2922

<b>Test Environment</b>
<b>Intel(R) Core(TM) i7-1185GRE 2.80GHz</b> <b>INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE)</b> <b>Western Digital WD10EALX-009BA0 1TB</b>

**Windows 10 64-bit**

<b>Item</b>	<b>Weighted Suite</b>	<b>Result</b>	<b>Remark</b>
<b>1</b>	<b>PCMark Scores</b>	PASS	3238
<b>2</b>	<b>Essentials</b>	PASS	6186
<b>3</b>	<b>Productivity</b>	PASS	5207
<b>4</b>	<b>Digital Content Creation</b>	PASS	2863

## 5.6 CINEBENCH 11.5

### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY)	PASS	41.32 fps
2	CPU	Western Digital WD10EALX-009BA0 1TB	PASS	9.53 pts

### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)	PASS	41.44 fps
2	CPU	Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	9.44 pts

### Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY)	PASS	40.94 fps
2	CPU	Western Digital WD10EALX-009BA0 1TB	PASS	9.38 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i7-1185G7E 2.80GHz Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ)	PASS	40.96 fps
2	CPU	Western Digital WD10EALX-009BA0 1TB	PASS	9.61 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i7-1185G7E 2.80GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE)	PASS	41.17 fps
2	CPU	Western Digital WD10EALX-009BA0 1TB	PASS	9.39 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i7-1185G7E 2.80GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE)	PASS	40.85 fps
2	CPU	Western Digital WD10EALX-009BA0 1TB	PASS	9.38 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i5-1145G7E 2.60GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	37.81 fps
2	CPU		PASS	9.39 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i5-1145G7E 2.60GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	37.51 fps
2	CPU		PASS	9.74 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i5-1145G7E 2.60GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	37.41 fps
2	CPU		PASS	9.27 pts



**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i5-1145G7E 2.60GHz Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ)	PASS	37.50 fps
2	CPU	Western Digital WD10EALX-009BA0 1TB	PASS	9.76 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i5-1145G7E 2.60GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE)	PASS	37.51 fps
2	CPU	Western Digital WD10EALX-009BA0 1TB	PASS	9.52 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i5-1145G7E 2.60GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE)	PASS	37.30 fps
2	CPU	Western Digital WD10EALX-009BA0 1TB	PASS	9.73 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	29.48 fps
2	CPU		PASS	5.00 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	29.49 fps
2	CPU		PASS	4.96 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	29.39 fps
2	CPU		PASS	5.08 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i3-1115G4E 3.00GHz Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ)	PASS	29.41 fps
2	CPU	Western Digital WD10EALX-009BA0 1TB	PASS	5.06 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i3-1115G4E 3.00GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE)	PASS	29.38 fps
2	CPU	Western Digital WD10EALX-009BA0 1TB	PASS	5.02 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i3-1115G4E 3.00GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE)	PASS	29.29 fps
2	CPU	Western Digital WD10EALX-009BA0 1TB	PASS	4.99 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i7-1185GRE 2.80GHz Kingston DDR4 3200 32GB*2 (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	41.41 fps
2	CPU		PASS	9.07 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i7-1185GRE 2.80GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ) Western Digital WD10EALX-009BA0 1TB	PASS	41.24 fps
2	CPU		PASS	8.84 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i7-1185GRE 2.80GHz Kingston DDR4 3200 32GB (Micron OSE77 D9ZFY) Western Digital WD10EALX-009BA0 1TB	PASS	39.72 fps
2	CPU		PASS	9.13 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i7-1185GRE 2.80GHz Kingston DDR4 3200 16GB (SK hynix H5AN8G8NDJ)	PASS	39.79 fps
2	CPU	Western Digital WD10EALX-009BA0 1TB	PASS	9.26 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i7-1185GRE 2.80GHz INNODISK DDR4 3200 32GB*2 (SEC016 K4AAG0B 5WABCWE)	PASS	40.67 fps
2	CPU	Western Digital WD10EALX-009BA0 1TB	PASS	8.90 pts

**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	OpenGL	Intel(R) Core(TM) i7-1185GRE 2.80GHz INNODISK DDR4 3200 32GB (SEC016 K4AAG0B 5WABCWE)	PASS	40.85 fps
2	CPU	Western Digital WD10EALX-009BA0 1TB	PASS	9.48 pts

## 5.7 Storage Performance

### 5.7.1 HDD

Test environment:

OS Windows 10 64bit

Program: HD Tune

HDD Model	Interface	Capacity	Average	Burst Rate	Access Time
TOSHIBA DT01ACA200	HDD	2TB	152.6 MB/sec	279.9 MB/sec	12.4 ms
Western Digital WD10EALX-009BA0	HDD	1 TB	106.4 MB/sec	206.6 MB/sec	13.3 ms
Seagate ST31000528AS	HDD	1 TB	132.4 MB/sec	98.5 MB/sec	16.7 ms
Western Digital WD3200BEKT-00F3T0	HDD	320 GB	64.4 MB/sec	144.1 MB/sec	14.7 ms
Western Digital WD800BEVS-00RST0	HDD	80 GB	34.5 MB/sec	84.3 MB/sec	17.4 ms
INTEL SSDSC2BW240A4	SSD	240 GB	342 MB/sec	231 MB/sec	0.2 ms
Crucial CT120BX500SSD1	SSD	120 GB	422.2 MB/sec	125.7 MB/sec	0.1 ms
SP SP120GBSS3S55S25	SSD	120 GB	416.8 MB/sec	95.3 MB/sec	0.1 ms
Kingston DT Hyper X 3.0	USB 3.0	64 GB	235.5 MB/sec	98.3 MB/sec	0.5 ms
SanDisk Ultra	USB 3.0	32 GB	38.3 MB/sec	22.8 MB/sec	0.9 ms
SMI USB	USB 2.0	8 GB	11.6 MB/sec	12.9 MB/sec	0.9 ms
Silicon-Power	USB 2.0	4 GB	1.1 MB/sec	1.1 MB/sec	0.9 ms
Acpi CSC064GR5-G710A00D	mSATA	64 GB	398.6 MB/sec	75.1 MB/sec	0.1 ms
CSS HEH74-064G	mSATA	64 GB	75 MB/sec	60.9 MB/sec	0.3 ms

HDD Model	Interface	Capacity	Average	Burst Rate	Access Time
CSS HEH74-016G	mSATA	15 GB	81.9 MB/sec	58.9 MB/sec	0.3 ms
acpi M2PDD-8L	NVMe	1 TB	1817.8 MB/sec	418 MB/sec	0 ms

## 5.7.2 DVD-ROM

Test environment:

OS Windows 10 64bit

Program (NERO)

DVD-ROM Model	Interface	Average Speed	Full Read	Burst Rate	DVD
PIONEER DVD DDVR-S16LBK	SATA	11.03 x	184 ms	33 MB/s	1 – 16 x
ASUS DRW-24D1ST	SATA	10.91 x	159 ms	38 MB/s	1 - 16 x
ASUS DRW-1814BLT	SATA	8.14 x	189 ms	42 MB/s	1 - 16 x
LG GH20NS15	SATA	11.40 x	166 ms	52 MB/s	1 - 16 x
LITE-ON iHES312	SATA	11.25 x	213 ms	50 MB/s	1 - 16 x
PIONEER DVD DVR-XD11T	USB	5.77 x	191 ms	21 MB/s	1 - 16 x
LITEON DVD eTAU108	USB	5.75 x	199 ms	24 MB/s	1 – 16 x