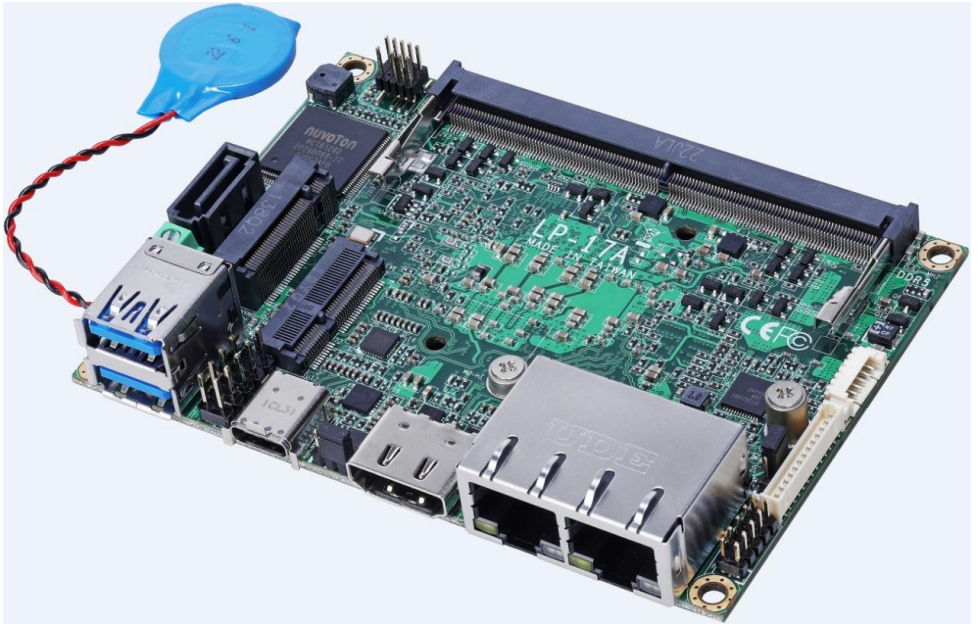


Product Test Report



Product Name	LP-17A
Product Version	A
Issued Date	2023.4.28
Report Edition	1.0
BIOS Version	1.0
Testing Engineer	Perry
Check Engineer	Daniel

REVISION HISTORY			
DATE	REVISION NO.	PAGE	DESCRIPTONS
2023.4.28	Ver. 1.0	60	Initial Release

Index

1. Function test	3
1.1 Hardware functions	3
1.2 BIOS function	4
1.3 Driver.....	4
2. Compatibility test	5
2.1 CPU Test	5
2.2 Memory Test.....	5
2.3 HDMI Graphic Quality Test.....	6
2.4 Audio	7
2.5 HDD Test	8
2.6 DVD-ROM Test.....	8
2.7 USB Test	9
2.8 Serial Port Test.....	10
2.9 LAN Test.....	10
2.10 Power Supply Test.....	10
2.11 OS Install	11
2.12 M2(Key E) Expansion slot.....	11
2.13 M2_NVME(Key M) Expansion slot.....	11
3. Environmental test	12
3.1 Temperature Test.....	12
3.2 Thermal measurements at various points on the board.....	15
4. Reliability Test	17
4.1 Power Consumption Test	17
5. Performance Test	21
5.1 3D MARK VANTAGE.....	21
5.2 3D MARK 11.....	25
5.3 3D MARK	29
5.4 PC MARK 7 & 8.....	33
5.5 PC MARK 10.....	37
5.6 PerformanceTest 9.0	41
5.7 Geekbench 5.....	47
5.8 Cinebench R23.....	53
5.9 Storage Performance	59

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	CN_AUDIO	PASS
8	LAN1(I219)	PASS
9	LAN2(I226-LM)	PASS
10	DDR5	PASS
11	SATA	PASS
12	SATA_PWR	PASS
13	DC_OUT	PASS
14	USB - 1/2	PASS
15	CN_USB	PASS
16	CN_EDP	PASS
17	CN_COM	PASS
18	CN_DIO	PASS
19	HDMI	PASS
20	Type-C	PASS
21	M2-KEYE	PASS
22	M2-NVME	PASS

Jumper

Item	Description	Result
1	JRTC	PASS
2	JAT	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	SATA Controller(s)	PASS	
6	BIOS LOCK	PASS	
7	HD Audio	PASS	
8	EDID Panel Type	PASS	
9	Restore On Power Loss	PASS	
10	Watch Dog Timer Select	PASS	
11	Power On By RTC Alarm	PASS	
12	Wake On LAN	PASS	

1.3 Driver

CD edition : IPCI2-1.3

1. Windows 10 64 bit Driver Test

Item	Description	Result	Version
1	Chipset Driver	PASS	
2	VGA Driver	PASS	30.0.101.1960
3	Audio Driver	PASS	6.0.1.8036

4	LAN Driver	PASS	I219LM:12.19.2.45 I226LM:1.1.3.28
---	------------	------	--------------------------------------

2. Compatibility test

2.1 CPU Test

Test environment:

OS: Windows 10 64bit

Test program : BurnIn Test8.1 & AIDA64

Spec	Performance -core Frequency	Family	Processor	Processor Base Power	Smart Cache	Result
SRLZH	4.7GHz	CORE	i7-1265UE	15W	12 MB	PASS
SRLZJ	4.4GHz	CORE	i5-1245UE	15W	12 MB	PASS
SRLZK	4.4GHz	CORE	i3-1215UE	15W	10 MB	PASS
SRLZL	1.00GHz	Celeron	7305E	15W	8 MB	PASS

2.2 Memory Test

Test environment:

OS: Windows 10 64bit

Test program : AIDA64 (Stress system memory)

Manufacturer	Chip	Frequency	Capacity Mbytes	Memory test Source	Remark
Innodisk M5S0-BGS20 CVP-K35	SEC 149 K4RAH086VB BCQK	DDR5 4800	32 GB	PASS	4800
Kingston KVR48S40S8 -16	Micron 2EA45D8BNJ	DDR5 4800	16 GB	PASS	4200
ADATA AD5S480016 G-S	Micron 2CA45D8BNJ	DDR5 4800	16 GB	PASS	4200

ADATA AD5S480016 G-S	Spectek PT010 TP	DDR5 4800	16 GB	PASS	4200
Crucial CT16G48C40 S5.M8A1	Micron 1YA45D8BNJ	DDR5 4800	16 GB	PASS	4200
Transcend JM4800ASE- 16G	SEC 210 K4RAH086VB BCQK	DDR5 4800	16 GB	PASS	4800
ACPI 7D5948BS-0H VA2BB01	SK hynix H5CG48AAG BD X018	DDR5 4800	16 GB	PASS	4800
ACPI 7D5848BS-0H VA3BB01	SK hynix H5CG46AGB D X018	DDR5 4800	8 GB	PASS	4800
SAMSUNG M425R4GA3 BB0-CQK	SEC 243 K4RAH086VB BCQK	DDR5 4800	32 GB	PASS	4800

2.3 HDMI Graphic Quality Test

Test environment:

OS Windows 10 64bit

Driver version : 30.0.101.1960

Resolution	Color	Result	Remark
800 x 600	32bit	PASS	
1024 x 768	32bit	PASS	
1152 x 864	32bit	PASS	
1280 x 600	32bit	PASS	
1280 x 720	32bit	PASS	
1280 x 768	32bit	PASS	
1280 x 800	32bit	PASS	
1280 x 960	32bit	PASS	

1280 x 1024	32bit	PASS	
1360 x 768	32bit	PASS	
1366 x 768	32bit	PASS	
1400 x 1050	32bit	PASS	
1440 x 900	32bit	PASS	
1600 x 900	32bit	PASS	
1680 x 1050	32bit	PASS	
1920 x 1080	32bit	PASS	
3840 x 2160	32bit	PASS	

2.4 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	

OS Ubuntu 22.04

Item	Description	Result	Remark
1	2.1CH	PASS	

OS Fedora 36 Workstation

Item	Description	Result	Remark
1	2.1CH	PASS	

2.5 HDD Test

Test environment:

OS Windows 10 64bit

Test program : BurnIn Test8.1 & CrystalDiskMark

HDD Model	Interface	Capacity	HDD Size Detect	HDD Data Transfer	HDD LED Check
INTEL SSDSC2BW240A4	SSD	240 GB	PASS	PASS	PASS
SPCC Solid State disk(S55)	SSD	120 GB	PASS	PASS	PASS
CT120 BX500	SSD	120 GB	PASS	PASS	PASS
Kingston SV300S37A	SSD	240 GB	PASS	PASS	PASS
WD 10EZEX	HDD	1 TB	PASS	PASS	PASS
Kingston DT100G3/32G	USB	32 GB	PASS	PASS	PASS

2.6 DVD-ROM Test

Test environment:

OS Windows 10 64bit

DVD-ROM Model	Interface	DVD-ROM Detect	DVD-ROM Data Transfer	Play DVD
Transcend DVD TS8XDVDS-K	USB	PASS	PASS	PASS
LITEON DVD eTAU108	USB	PASS	PASS	PASS
PIONEER DVD DVR-XD11T	USB	PASS	PASS	PASS
ZYNET GT32N A201	USB	PASS	PASS	PASS

2.7 USB Test

1. 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. Ubuntu 22.04

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

3. Fedora 36 Workstation

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

2.8 Serial Port Test

1. Windows 10 64-bit

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

2.9 LAN Test

Data Transfer Test environment:

-CAT 6 UTP 100M

-8 HR. continuous

1. Windows 10 64-bit

Item	Description	Result	Remark
1	Device Manager Check	PASS	(IPERF3)
2	Data Transfer Test	PASS	(IPERF3)

2. Ubuntu 22.04

Item	Description	Result	Remark
1	Device Manager Check	PASS	

3. Fedora 36 Workstation

Item	Description	Result	Remark
1	Device Manager Check	PASS	

2.10 Power Supply Test

Item	Type	Description	Result	Remark
------	------	-------------	--------	--------

1	ATX Power	Thermaltake TR2-450AH2NCB	PASS	
2	ATX Power	Seasonic SS-520GB 520W	PASS	
3	ATX Power	AcBel PC7008 430W	PASS	

2.11 OS Install

Item	Description	Result	Remark
1	Windows 10 64 bit	PASS	
2	Ubuntu22.04 (ubuntu-21.04.1-desktop-amd64)	PASS	
3	Fedora 36 (Fedora-Workstation-Live-x86_64-35-1.2)	PASS	
4	RHEL 8.6 (Red Hat Enterprise Linux – 8.6)	PASS	

2.12 M2(Key E) Expansion slot

Motherboard	PCI Express mini card	Result	Remark
LP-17A	M2-210	PASS	
	M2-225	PASS	
	M2-2213	PASS	

2.13 M2_NVME(Key M) Expansion slot

Motherboard	M2(Key M)	Result	Remark
LP-17A	NVMe SSD (Intel)	PASS	Model : SSDPEKKW512G7
	NVMe SSD (ADATA)	PASS	Model : ASX8000NP-128GM-C
	NVMe SSD (SEAGATE)	PASS	Model : ZP500GM30002
	NVMe SSD(ACPI)	PASS	Model : M2PDD-8L
	M2-3504 & M2-3502	PASS	

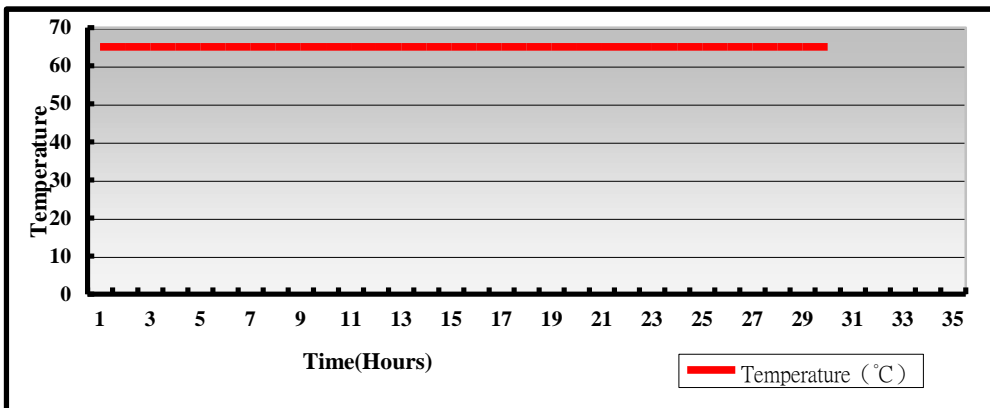
3. Environmental test

3.1 Temperature Test

Hardware Device list:

System Board	LP-17A7
CPU	Intel(R) Core(TM) i7-1265UE 4.7GHz
Memory	Innodisk M5S0-BGS20CVP-K35 32GB (SEC 149 K4RAH086VB BCQK)
HDD	Kingston SV300S37A 240GB
Operating OS	Windows 10 64bit
Test Equipment	GIANT FORCE GTH-150-60-SP-AR LCD-9530 Programmer/Controller
Test Program	BurnIn 8.1

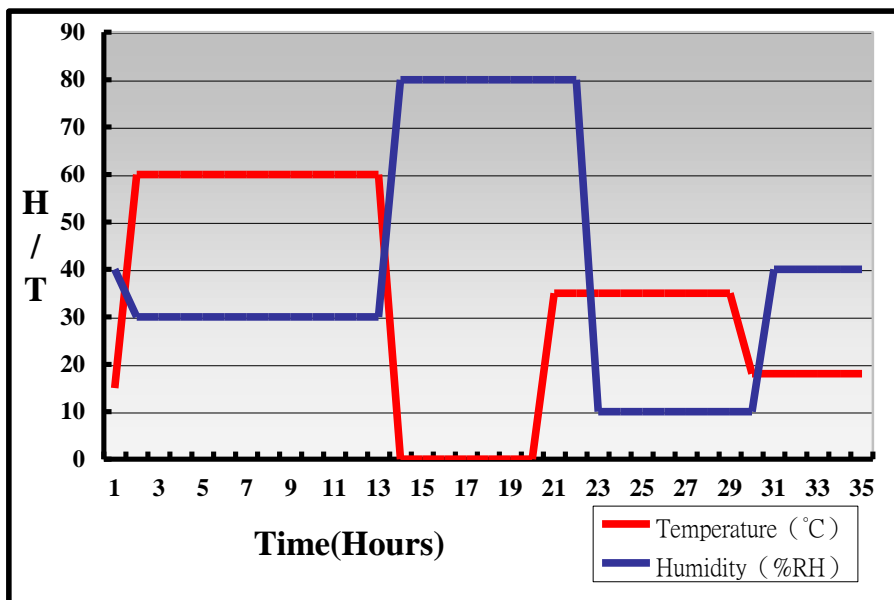
Test Result:



Hardware Device list:

System Board	LP-17A7
CPU	Intel(R) Core(TM) i7-1265UE 4.7GHz
Memory	Innodisk M5S0-BGS2OCVP-K35 32GB x2 (SEC 149 K4RAH086VB BCQK)
HDD	Kingston SV300S37A 240GB
Operating OS	Windows 10 64bit
Test Equipment	GIANT FORCE GTH-150-60-SP-AR LCD-9530 Programmer/Controller
Test Program	BurnIn 8.1

Test Result:



Boot up Test:

Hardware Device list:

System Board	LP-17A7
CPU	Intel(R) Core(TM) i7-1265UE 4.7GHz
Memory	Kingston KVR48S40S8-16 16GB x2 (Micron 2EA45D8BNJ)
HDD	Kingston SV300S37A 240GB

Temperature	Result	Remark
-40°C	PASS	50 Times
80°C	PASS	50 Times

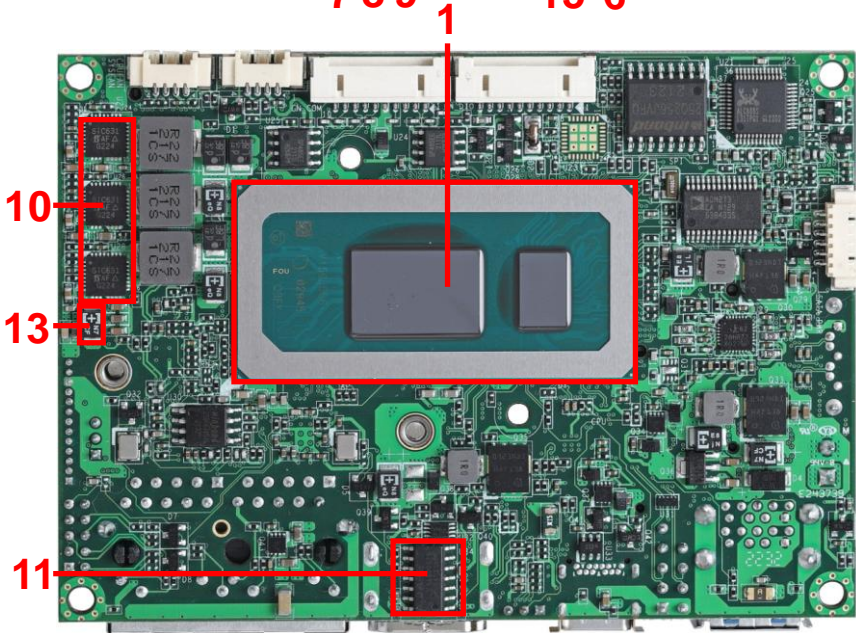
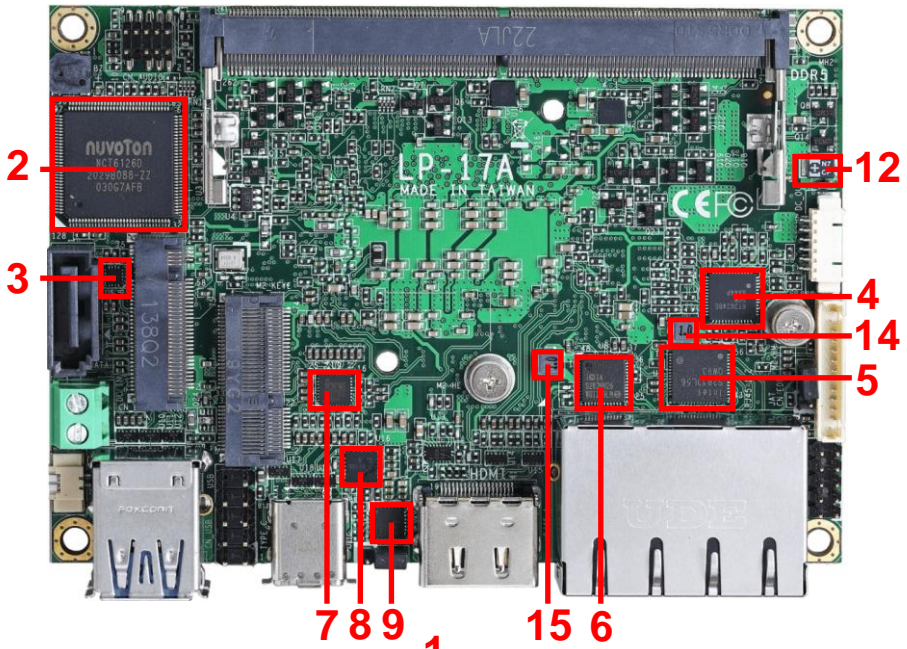
3.2 Thermal measurements at various points on the board

Test Environment:

CPU	Intel(R) Core(TM) i7-1265UE 4.7GHz
Memory	Innodisk M5S0-BGS20CVP-K35 32GB x2 (SEC 149 K4RAH086VB BCQK)
HDD	Kingston SV300S37A 240GB
Power	SEASONIC SS-520GB ACTIVE PFC F3 (S12II-520Bronze)
Operating System	Windows 10 64-bit
Test Program	AIDA64

Test Result:

Item	Environmental temperature	25°C
1	CPU	75°C
2	U3	58.1°C
3	U5	57.2°C
4	U6	76.7°C
5	U7	65.8°C
6	U8	60.9°C
7	U9	58.2°C
8	U16	56.5°C
9	U20	55.5°C
10	U22 & U26 & U28	69.7°C
11	U34	58.9°C
12	C30	74.2°C
13	C311	67.7°C
14	L1	62.5°C
15	L2	59.0°C



4. Reliability Test

4.1 Power Consumption Test

1. Test Environment:

Motherboard	LP-17A
CPU	Intel(R) Core(TM) i7-1265UE 4.7GHz
Memory	Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK)
HDD	Kingston SV300S37A 240GB

Power Supply: SEASONIC SS-520GB ACTIVE PFC

F3(S12II-520Bronze)

Voltage	UEFI Boot up		Windows 10 64bit BurnIn 8.1 (15min)	
	Current (A)	Power (W)	Current (A)	Power (W)
12V	1.58	18.96	5.7	68.4

1. a. Test Environment:

The same as above but with LCD(+ ADP-3460)

Display Panel	AUO M215HW03 V1 21.5"LCD
----------------------	---------------------------------

Power Supply: SEASONIC SS-520GB ACTIVE PFC

F3(S12II-520Bronze)

Voltage	UEFI Boot up		Windows 10 64bit BurnIn 8.1 (15min)	
	Current (A)	Power (W)	Current (A)	Power (W)
12V	1.59	19.08	6.6	79.2

*** Don't include ADP-3460 power supply**

2. Test Environment:

Motherboard	LP-17A
CPU	Intel(R) Core(TM) i5-1245UE 4.4GHz
Memory	Innodisk M5S0-BGS20CVP-K35 32GB (SEC 149 K4RAH086VB BCQK)
HDD	Kingston SV300S37A 240GB

**Power Supply: SEASONIC SS-520GB ACTIVE PFC
F3(S12II-520Bronze)**

Voltage	UEFI Boot up		Windows 10 64bit BurnIn 8.1 (15min)	
	Current (A)	Power (W)	Current (A)	Power (W)
12V	1.54	18.48	5.62	67.44

2. a. Test Environment:

The same as above but with LCD(+ ADP-3460)

Display Panel	AUO M215HW03 V1 21.5”LCD
----------------------	---------------------------------

**Power Supply: SEASONIC SS-520GB ACTIVE PFC
F3(S12II-520Bronze)**

Voltage	UEFI Boot up		Windows 10 64bit BurnIn 8.1 (15min)	
	Current (A)	Power (W)	Current (A)	Power (W)
12V	1.56	18.72	5.67	68.04

*** Don't include ADP-3460 power supply**

3. Test Environment:

Motherboard	LP-17A
CPU	Intel(R) Core(TM) i3-1215UE 4.4GHz
Memory	Innodisk M5S0-BGS20CVP-K35 32GB (SEC 149 K4RAH086VB BCQK)
HDD	Kingston SV300S37A 240GB

**Power Supply: SEASONIC SS-520GB ACTIVE PFC
F3(S12II-520Bronze)**

Voltage	UEFI Boot up		Windows 10 64bit BurnIn 8.1 (15min)	
	Current (A)	Power (W)	Current (A)	Power (W)
12V	1.44	17.28	4.80	57.6

3. a. Test Environment:

The same as above but with LCD(+ ADP-3460)

Display Panel	AUO M215HW03 V1 21.5”LCD
----------------------	---------------------------------

**Power Supply: SEASONIC SS-520GB ACTIVE PFC
F3(S12II-520Bronze)**

Voltage	UEFI Boot up		Windows 10 64bit BurnIn 8.1 (15min)	
	Current (A)	Power (W)	Current (A)	Power (W)
12V	1.45	17.4	4.81	57.72

*** Don't include ADP-3460 power supply**

4. Test Environment:

Motherboard	LP-17A
CPU	Intel(R) Celeron(R) 7305E 1.00GHz
Memory	Innodisk M5S0-BGS20CVP-K35 32GB (SEC 149 K4RAH086VB BCQK)
HDD	Kingston SV300S37A 240GB

**Power Supply: SEASONIC SS-520GB ACTIVE PFC
F3(S12II-520Bronze)**

Voltage	UEFI Boot up		Windows 10 64bit BurnIn 8.1 (15min)	
	Current (A)	Power (W)	Current (A)	Power (W)
12V	1.43	17.16	1.59	19.08

4. a. Test Environment:

The same as above but with LCD (+ ADP-3460)

Display Panel	AUO M215HW03 V1 21.5”LCD
----------------------	---------------------------------

**Power Supply: SEASONIC SS-520GB ACTIVE PFC
F3(S12II-520Bronze)**

Voltage	UEFI Boot up		Windows 10 64bit BurnIn 8.1 (15min)	
	Current (A)	Power (W)	Current (A)	Power (W)
12V	1.44	17.28	1.59	19.08

*** Don't include ADP-3460 power supply**

5. Performance Test

5.1 3D MARK VANTAGE

i7-1265UE

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1265PE 4.7GHz	PASS	P7391
2	GPU SCORE	Innodisk M5S0-BGS20CVP-K35 32GB	PASS	5830
3	CPU SCORE	(SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	37628

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1265PE 4.7GHz	PASS	P7365
2	GPU SCORE	Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ)	PASS	5811
3	CPU SCORE	Kingston SV300S37A 240GB	PASS	37292

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1265PE 4.7GHz	PASS	P7357
2	GPU SCORE	Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ)	PASS	5801
3	CPU SCORE	Kingston SV300S37A 240GB	PASS	37638

i5-1245UE**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i5-1245UE 4.4GHz Innodisk M5S0-BGS20CVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	P6119
2	GPU SCORE		PASS	4783
3	CPU SCORE		PASS	37765

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i5-1245UE 4.4GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	P6113
2	GPU SCORE		PASS	4778
3	CPU SCORE		PASS	37866

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i5-1245UE 4.4GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	P6107
2	GPU SCORE		PASS	4772
3	CPU SCORE		PASS	38022

i3-1215UE**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1215UE 4.4GHz Innodisk M5S0-BGS20CVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	P5272
2	GPU SCORE		PASS	4144
3	CPU SCORE		PASS	28801

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1215UE 4.4GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	P5270
2	GPU SCORE		PASS	4142
3	CPU SCORE		PASS	28768

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1215UE 4.4GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	P5284
2	GPU SCORE		PASS	4154
3	CPU SCORE		PASS	28663

7305E**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Celeron(R) 7305E 1.00GHz Innodisk M5S0-BGS20CVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	P3641
2	GPU SCORE		PASS	3161
3	CPU SCORE		PASS	6689

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Celeron(R) 7305E 1.00GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	P3648
2	GPU SCORE		PASS	3164
3	CPU SCORE		PASS	6737

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Celeron(R) 7305E 1.00GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	P3670
2	GPU SCORE		PASS	3189
3	CPU SCORE		PASS	6709

5.2 3D MARK 11

i7-1265UE

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1265UE 4.7GHz Innodisk M5S0-BGS20CVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	P1889
2	Graphics SCORE		PASS	1620
3	Physics SCORE		PASS	13714
4	Combined SCORE		PASS	1807

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1265UE 4.7GHz Kingston KVR48S40S8-16 16GBx2 (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	P1912
2	Graphics SCORE		PASS	1644
3	Physics SCORE		PASS	13265
4	Combined SCORE		PASS	1810

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i7-1265UE 4.7GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	P1918
2	Graphics SCORE		PASS	1649
3	Physics SCORE		PASS	13432
4	Combined SCORE		PASS	1808

i5-1245UE

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i5-1245UE 4.4GHz Innodisk M5S0-BGS20CVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	P1697
2	Graphics SCORE		PASS	1455
3	Physics SCORE		PASS	14108
4	Combined SCORE		PASS	1583

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i5-1245UE 4.4GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	P1698
2	Graphics SCORE		PASS	1457
3	Physics SCORE		PASS	13732
4	Combined SCORE		PASS	1582

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i5-1245UE 4.4GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	P1694
2	Graphics SCORE		PASS	1454
3	Physics SCORE		PASS	13746
4	Combined SCORE		PASS	1579

i3-1215UE

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1215UE 4.4GHz Innodisk M5S0-BGS20CVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	P1443
2	Graphics SCORE		PASS	1226
3	Physics SCORE		PASS	11934
4	Combined SCORE		PASS	1461

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1215UE 4.4GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	P1485
2	Graphics SCORE		PASS	1265
3	Physics SCORE		PASS	12327
4	Combined SCORE		PASS	1469

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Core(TM) i3-1215UE 4.4GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	P1486
2	Graphics SCORE		PASS	1266
3	Physics SCORE		PASS	12301
4	Combined SCORE		PASS	1473

7305E

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Celeron(R) 7305E 1.00GHz Innodisk M5S0-BGS20CVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	P1141
2	Graphics SCORE		PASS	1006
3	Physics SCORE		PASS	3011
4	Combined SCORE		PASS	1243

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Celeron(R) 7305E 1.00GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	P1141
2	Graphics SCORE		PASS	1006
3	Physics SCORE		PASS	2999
4	Combined SCORE		PASS	1247

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Celeron(R) 7305E 1.00GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	P1146
2	Graphics SCORE		PASS	1010
3	Physics SCORE		PASS	3006
4	Combined SCORE		PASS	1250

5.3 3D MARK

i7-1265UE

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i7-1265UE 4.7GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	506
2	Graphics SCORE		PASS	437
3	CPU SCORE		PASS	5004

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i7-1265UE 4.7GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	506
2	Graphics SCORE		PASS	437
3	CPU SCORE		PASS	4982

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i7-1265UE 4.7GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	506
2	Graphics SCORE		PASS	437
3	CPU SCORE		PASS	4989

i5-1245UE

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i5-1245UE 4.4GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	405
2	Graphics SCORE		PASS	349
3	CPU SCORE		PASS	5095

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i5-1245UE 4.4GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	405
2	Graphics SCORE		PASS	349
3	CPU SCORE		PASS	5041

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i5-1245UE 4.4GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	405
2	Graphics SCORE		PASS	349
3	CPU SCORE		PASS	5053

i3-1215UE

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i3-1215UE 4.4GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	364
2	Graphics SCORE		PASS	314
3	CPU SCORE		PASS	4122

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i3-1215UE 4.4GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	364
2	Graphics SCORE		PASS	314
3	CPU SCORE		PASS	4137

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Core(TM) i3-1215UE 4.4GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	364
2	Graphics SCORE		PASS	314
3	CPU SCORE		PASS	4106

7305E

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Celeron(R) 7305E 1.00GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	255
2	Graphics SCORE		PASS	224
3	CPU SCORE		PASS	1205

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Celeron(R) 7305E 1.00GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	255
2	Graphics SCORE		PASS	224
3	CPU SCORE		PASS	1206

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	Time Spy	Intel(R) Celeron(R) 7305E 1.00GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	255
2	Graphics SCORE		PASS	244
3	CPU SCORE		PASS	1206

5.4 PC MARK 7 & 8

i7-1265UE

Windows 10 64-bit

Weighted Suite	Test Environment	Result	Remark
PCMARK 7 Scores	Intel(R) Core(TM) i7-1265UE 4.7GHz Innodisk M5S0-BGS20CVP-K35 32GB	PASS	7409
PCMARK 8 Scores	(SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	Work 2.0 accelerated : 3172 Work 2.0 conventional : 4182

Windows 10 64-bit

Weighted Suite	Test Environment	Result	Remark
PCMARK 7 Scores	Intel(R) Core(TM) i7-1265UE 4.7GHz Kingston KVR48S40S8-16 16GB	PASS	7290
PCMARK 8 Scores	(Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	Work 2.0 accelerated : 3188 Work 2.0 conventional : 4223

Windows 10 64-bit

Weighted Suite	Test Environment	Result	Remark
PCMARK 7 Scores	Intel(R) Core(TM) i7-1265UE 4.7GHz Crucial CT16G48C40S5.M8A1	PASS	7380
PCMARK 8 Scores	(Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	Work 2.0 accelerated : 3207 Work 2.0 conventional : 4247

i5-1245UE

Windows 10 64-bit

Weighted Suite	Test Environment	Result	Remark
PCMARK 7 Scores	Intel(R) Core(TM) i5-1245UE 4.4GHz Innodisk M5S0-BGS2OCVP-K35 32GB	PASS	7040
PCMARK 8 Scores	(SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	Work 2.0 accelerated : 3206 Work 2.0 conventional : 4183

Windows 10 64-bit

Weighted Suite	Test Environment	Result	Remark
PCMARK 7 Scores	Intel(R) Core(TM) i5-1245UE 4.4GHz Kingston KVR48S40S8-16 16GB	PASS	7234
PCMARK 8 Scores	(Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	Work 2.0 accelerated : 3171 Work 2.0 conventional : 4149

Windows 10 64-bit

Weighted Suite	Test Environment	Result	Remark
PCMARK 7 Scores	Intel(R) Core(TM) i5-1245UE 4.4GHz Crucial CT16G48C40S5.M8A1	PASS	7324
PCMARK 8 Scores	(Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	Work 2.0 accelerated : 3189 Work 2.0 conventional : 4198

i3-1215UE

Windows 10 64-bit

Weighted Suite	Test Environment	Result	Remark
PCMARK 7 Scores	Intel(R) Core(TM) i3-1215UE 4.4GHz Innodisk M5S0-BGS2OCVP-K35 32GB	PASS	7335
PCMARK 8 Scores	(SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	Work 2.0 accelerated : 3193 Work 2.0 conventional : 4177

Windows 10 64-bit

Weighted Suite	Test Environment	Result	Remark
PCMARK 7 Scores	Intel(R) Core(TM) i3-1215UE 4.4GHz Kingston KVR48S40S8-16 16GB	PASS	7204
PCMARK 8 Scores	(Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	Work 2.0 accelerated : 3176 Work 2.0 conventional : 4164

Windows 10 64-bit

Weighted Suite	Test Environment	Result	Remark
PCMARK 7 Scores	Intel(R) Core(TM) i3-1215UE 4.4GHz Crucial CT16G48C40S5.M8A1	PASS	7434
PCMARK 8 Scores	(Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	Work 2.0 accelerated : 3172 Work 2.0 conventional : 4183

7305E

Windows 10 64-bit

Weighted Suite	Test Environment	Result	Remark
PCMARK 7 Scores	Intel(R) Celeron(R) 7305E 1.00GHz Innodisk M5S0-BGS2OCVP-K35 32GB	PASS	4480
PCMARK 8 Scores	(SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	Work 2.0 accelerated : 1671 Work 2.0 conventional : 2154

Windows 10 64-bit

Weighted Suite	Test Environment	Result	Remark
PCMARK 7 Scores	Intel(R) Celeron(R) 7305E 1.00GHz Kingston KVR48S40S8-16 16GB	PASS	4487
PCMARK 8 Scores	(Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	Work 2.0 accelerated : 1669 Work 2.0 conventional : 2165

Windows 10 64-bit

Weighted Suite	Test Environment	Result	Remark
PCMARK 7 Scores	Intel(R) Celeron(R) 7305E 1.00GHz Crucial CT16G48C40S5.M8A1	PASS	4491
PCMARK 8 Scores	(Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	Work 2.0 accelerated : 1670 Work 2.0 conventional : 2183

5.5 PC MARK 10

i7-1265UE

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PCMARK10 Scores	Intel(R) Core(TM) i7-1265UE 4.7GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	4220
2	Essentials		PASS	10076
3	Productivity		PASS	7081
4	Digital Content Creation		PASS	2861

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PCMARK10 Scores	Intel(R) Core(TM) i7-1265UE 4.7GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	4240
2	Essentials		PASS	9992
3	Productivity		PASS	7159
4	Digital Content Creation		PASS	2892

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PCMARK10 Scores	Intel(R) Core(TM) i7-1265UE 4.7GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	4314
2	Essentials		PASS	10012
3	Productivity		PASS	7160
4	Digital Content Creation		PASS	3040

i5-1245UE**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	PCMARK10 Scores	Intel(R) Core(TM) i5-1245UE 4.4GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	4040
2	Essentials		PASS	9908
3	Productivity		PASS	6844
4	Digital Content Creation		PASS	2639

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PCMARK10 Scores	Intel(R) Core(TM) i5-1245UE 4.4GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	4132
2	Essentials		PASS	9894
3	Productivity		PASS	6912
4	Digital Content Creation		PASS	2799

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PCMARK10 Scores	Intel(R) Core(TM) i5-1245UE 4.4GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	4162
2	Essentials		PASS	9861
3	Productivity		PASS	6893
4	Digital Content Creation		PASS	2879

i3-1215UE**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	PCMARK10 Scores	Intel(R) Core(TM) i3-1215UE 4.4GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	3833
2	Essentials		PASS	9546
3	Productivity		PASS	6870
4	Digital Content Creation		PASS	2330

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PCMARK10 Scores	Intel(R) Core(TM) i3-1215UE 4.4GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	3858
2	Essentials		PASS	9546
3	Productivity		PASS	6971
4	Digital Content Creation		PASS	2342

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PCMARK10 Scores	Intel(R) Core(TM) i3-1215UE 4.4GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	3841
2	Essentials		PASS	9574
3	Productivity		PASS	6971
4	Digital Content Creation		PASS	2305

7305E**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	PCMARK10 Scores	Intel(R) Celeron(R) 7305E 1.00GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	1466
2	Essentials		PASS	3937
3	Productivity		PASS	1973
4	Digital Content Creation		PASS	1102

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PCMARK10 Scores	Intel(R) Celeron(R) 7305E 1.00GHz Kingston KVR48S40S8-16 16GBx2 (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	1474
2	Essentials		PASS	4037
3	Productivity		PASS	1998
4	Digital Content Creation		PASS	1078

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PCMARK10 Scores	Intel(R) Celeron(R) 7305E 1.00GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	1464
2	Essentials		PASS	4025
3	Productivity		PASS	1993
4	Digital Content Creation		PASS	1064

5.6 PerformanceTest 9.0

i7-1265UE

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PassMark Rating	Intel(R) Core(TM) i7-1265UE 4.7GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	3989.8
2	CPU Mark		PASS	16230.2
3	2D Graphics Mark		PASS	1050.8
4	3D Graphics Mark		PASS	861.2
5	Memory Mark		PASS	3065.9
6	Disk Mark		PASS	3917.6

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PassMark Rating	Intel(R) Core(TM) i7-1265UE 4.7GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	3934.5
2	CPU Mark		PASS	15990.3
3	2D Graphics Mark		PASS	1048.0
4	3D Graphics Mark		PASS	860.8
5	Memory Mark		PASS	2887.2
6	Disk Mark		PASS	3847.9

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PassMark Rating	Intel(R) Core(TM) i7-1265UE 4.7GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	3925.5
2	CPU Mark		PASS	15924.8
3	2D Graphics Mark		PASS	1051.2
4	3D Graphics Mark		PASS	862.1
5	Memory Mark		PASS	2888.0
6	Disk Mark		PASS	3753.7

i5-1245UE

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PassMark Rating	Intel(R) Core(TM) i5-1245UE 4.4GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	3683.8
2	CPU Mark		PASS	16376.8
3	2D Graphics Mark		PASS	1030.9
4	3D Graphics Mark		PASS	721.4
5	Memory Mark		PASS	3032.0
6	Disk Mark		PASS	3712.0

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PassMark Rating	Intel(R) Core(TM) i5-1245UE 4.4GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	3664.6
2	CPU Mark		PASS	15927.1
3	2D Graphics Mark		PASS	1030.4
4	3D Graphics Mark		PASS	722.2
5	Memory Mark		PASS	2860.2
6	Disk Mark		PASS	3907.2

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PassMark Rating	Intel(R) Core(TM) i5-1245UE 4.4GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	3676.0
2	CPU Mark		PASS	16069.0
3	2D Graphics Mark		PASS	1031.1
4	3D Graphics Mark		PASS	720.1
5	Memory Mark		PASS	2855.0
6	Disk Mark		PASS	4026.0

i3-1215UE

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PassMark Rating	Intel(R) Core(TM) i3-1215UE 4.4GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	3580.4
2	CPU Mark		PASS	12967.7
3	2D Graphics Mark		PASS	1013.0
4	3D Graphics Mark		PASS	725.5
5	Memory Mark		PASS	2985.8
6	Disk Mark		PASS	3865.7

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PassMark Rating	Intel(R) Core(TM) i3-1215UE 4.4GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	3561.8
2	CPU Mark		PASS	13022.2
3	2D Graphics Mark		PASS	1012.2
4	3D Graphics Mark		PASS	724.8
5	Memory Mark		PASS	2854.7
6	Disk Mark		PASS	3901.3

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PassMark Rating	Intel(R) Core(TM) i3-1215UE 4.4GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	3535.0
2	CPU Mark		PASS	12724.2
3	2D Graphics Mark		PASS	1008.9
4	3D Graphics Mark		PASS	722.3
5	Memory Mark		PASS	2842.5
6	Disk Mark		PASS	3842.9

7305E**Windows 10 64-bit**

Item	Weighted Suite	Test Environment	Result	Remark
1	PassMark Rating	Intel(R) Celeron(R) 7305E 1.00GHz Innodisk M5S0-BGS2OCVP-K35 32GB x2 (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB	PASS	1092.4
2	CPU Mark		PASS	3333.9
3	2D Graphics Mark		PASS	244.8
4	3D Graphics Mark		PASS	220.1
5	Memory Mark		PASS	978.4
6	Disk Mark		PASS	3866.6

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PassMark Rating	Intel(R) Celeron(R) 7305E 1.00GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB	PASS	1622.6
2	CPU Mark		PASS	3464.2
3	2D Graphics Mark		PASS	323.1
4	3D Graphics Mark		PASS	544.0
5	Memory Mark		PASS	1144.5
6	Disk Mark		PASS	3876.5

Windows 10 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	PassMark Rating	Intel(R) Celeron(R) 7305E 1.00GHz Crucial CT16G48C40S5.M8A1 (Micron 1YA45D8BNJ) Kingston SV300S37A 240GB	PASS	1619.5
2	CPU Mark		PASS	3462.3
3	2D Graphics Mark		PASS	320.3
4	3D Graphics Mark		PASS	543.1
5	Memory Mark		PASS	1143.0
6	Disk Mark		PASS	3997.3

5.7 Geekbench 5

i7-1265UE

Test Environment
Intel(R) Core(TM) i7-1265UE 4.7GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite		Result	Remark
1	Run CPU Benchmark Score	Single-core	PASS	1548
		Multi-core		5792
2	Run Compute Benchmark (OpenCL Score)		PASS	4804

Test Environment
Intel(R) Core(TM) i7-1265UE 4.7GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite		Result	Remark
1	Run CPU Benchmark Score	Single-core	PASS	1549
		Multi-core		5908
2	Run Compute Benchmark (OpenCL Score)		PASS	4766

Test Environment
Intel(R) Core(TM) i7-1265UE 4.7GHz Crucial CT16G48C40S5.M8A1(Micron 1YA45D8BNJ) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite		Result	Remark
1	Run CPU Benchmark Score	Single-core	PASS	1567
		Multi-core		6096
2	Run Compute Benchmark (OpenCL Score)		PASS	4800

i5-1245UE

Test Environment
Intel(R) Core(TM) i5-1245UE 4.4GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite		Result	Remark
1	Run CPU Benchmark Score	Single-core	PASS	1555
		Multi-core		5861
2	Run Compute Benchmark (OpenCL Score)		PASS	3811

Test Environment
Intel(R) Core(TM) i5-1245UE 4.4GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite		Result	Remark
1	Run CPU Benchmark Score	Single-core	PASS	1524
		Multi-core		5740
2	Run Compute Benchmark (OpenCL Score)		PASS	3756

Test Environment
Intel(R) Core(TM) i5-1245UE 4.4GHz Crucial CT16G48C40S5.M8A1(Micron 1YA45D8BNJ) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite		Result	Remark
1	Run CPU Benchmark Score	Single-core	PASS	1525
		Multi-core		5756
2	Run Compute Benchmark (OpenCL Score)		PASS	3729

i3-1215UE

Test Environment
Intel(R) Core(TM) i3-1215UE 4.4GHz Innodisk M5S0-BGS20CVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite		Result	Remark
1	Run CPU Benchmark Score	Single-core	PASS	1517
		Multi-core		4889
2	Run Compute Benchmark (OpenCL Score)		PASS	3422

Test Environment
Intel(R) Core(TM) i3-1215UE 4.4GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite		Result	Remark
1	Run CPU Benchmark Score	Single-core	PASS	1517
		Multi-core		5385
2	Run Compute Benchmark (OpenCL Score)		PASS	3416

Test Environment
Intel(R) Core(TM) i3-1215UE 4.4GHz Crucial CT16G48C40S5.M8A1(Micron 1YA45D8BNJ) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite		Result	Remark
1	Run CPU Benchmark Score	Single-core	PASS	1547
		Multi-core		7501
2	Run Compute Benchmark (OpenCL Score)		PASS	3408

7305E

Test Environment
Intel(R) Celeron(R) 7305E 1.00GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite		Result	Remark
1	Run CPU Benchmark Score	Single-core	PASS	370
		Multi-core		1255
2	Run Compute Benchmark (OpenCL Score)		PASS	2611

Test Environment
Intel(R) Celeron(R) 7305E 1.00GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite		Result	Remark
1	Run CPU Benchmark Score	Single-core	PASS	394
		Multi-core		1319
2	Run Compute Benchmark (OpenCL Score)		PASS	2560

Test Environment
Intel(R) Celeron(R) 7305E 1.00GHz Crucial CT16G48C40S5.M8A1(Micron 1YA45D8BNJ) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite		Result	Remark
1	Run CPU Benchmark Score	Single-core	PASS	350
		Multi-core		1228
2	Run Compute Benchmark (OpenCL Score)		PASS	2554

5.8 Cinebench R23

i7-1265UE

Test Environment
Intel(R) Core(TM) i7-1265UE 4.7GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) SPCC S55 Silicon Power SSD 120GB(MSIP-REM-SLL-S55)

Windows 10 64-bit

Item	Weighted Suite	Result	Remark
1	CPU(Multi Core)	PASS	6211 pts
2	CPU(Single Core)	PASS	1522 pts
3	MP Ratio	PASS	4.08 x

Test Environment
Intel(R) Core(TM) i7-1265UE 4.7GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) SPCC S55 Silicon Power SSD 120GB(MSIP-REM-SLL-S55)

Windows 10 64-bit

Item	Weighted Suite	Result	Remark
1	CPU(Multi Core)	PASS	5765 pts
2	CPU(Single Core)	PASS	1463 pts
3	MP Ratio	PASS	4.30 x

Test Environment
Intel(R) Core(TM) i7-1265UE 4.7GHz Crucial CT16G48C40S5.M8A1(Micron 1YA45D8BNJ) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite	Result	Remark
1	CPU(Multi Core)	PASS	6240 pts
2	CPU(Single Core)	PASS	1523 pts
3	MP Ratio	PASS	4.10 x

i5-1245UE

Test Environment
Intel(R) Core(TM) i5-1245UE 4.4GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite	Result	Remark
1	CPU(Multi Core)	PASS	6264 pts
2	CPU(Single Core)	PASS	1533 pts
3	MP Ratio	PASS	4.08 x

Test Environment
Intel(R) Core(TM) i5-1245UE 4.4GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite	Result	Remark
1	CPU(Multi Core)	PASS	6064 pts
2	CPU(Single Core)	PASS	1511 pts
3	MP Ratio	PASS	4.01 x

Test Environment
Intel(R) Core(TM) i5-1245UE 4.4GHz Crucial CT16G48C40S5.M8A1(Micron 1YA45D8BNJ) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite	Result	Remark
1	CPU(Multi Core)	PASS	5827 pts
2	CPU(Single Core)	PASS	1478 pts
3	MP Ratio	PASS	3.94 x

i3-1215UE

Test Environment
Intel(R) Core(TM) i3-1215UE 4.4GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) SPCC S55 Silicon Power SSD 120GB(MSIP-REM-SLL-S55)

Windows 10 64-bit

Item	Weighted Suite	Result	Remark
1	CPU(Multi Core)	PASS	5095 pts
2	CPU(Single Core)	PASS	1555 pts
3	MP Ratio	PASS	3.28 x

Test Environment
Intel(R) Core(TM) i3-1215UE 4.4GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) SPCC S55 Silicon Power SSD 120GB(MSIP-REM-SLL-S55)

Windows 10 64-bit

Item	Weighted Suite	Result	Remark
1	CPU(Multi Core)	PASS	5133 pts
2	CPU(Single Core)	PASS	1554 pts
3	MP Ratio	PASS	3.30 x

Test Environment
Intel(R) Core(TM) i3-1215UE 4.4GHz Crucial CT16G48C40S5.M8A1(Micron 1YA45D8BNJ) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite	Result	Remark
1	CPU(Multi Core)	PASS	5123 pts
2	CPU(Single Core)	PASS	1554 pts
3	MP Ratio	PASS	3.30 x

7305E

Test Environment
Intel(R) Celeron(R) 7305E 1.00GHz Innodisk M5S0-BGS2OCVP-K35 32GB (SEC 149 K4RAH086VB BCQK) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite	Result	Remark
1	CPU(Multi Core)	PASS	1048 pts
2	CPU(Single Core)	PASS	386 pts
3	MP Ratio	PASS	2.72 x

Test Environment
Intel(R) Celeron(R) 7305E 1.00GHz Kingston KVR48S40S8-16 16GB (Micron 2EA45D8BNJ) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite	Result	Remark
1	CPU(Multi Core)	PASS	1249 pts
2	CPU(Single Core)	PASS	385 pts
3	MP Ratio	PASS	3.24 x

Test Environment
Intel(R) Celeron(R) 7305E 1.00GHz Crucial CT16G48C40S5.M8A1(Micron 1YA45D8BNJ) Kingston SV300S37A 240GB

Windows 10 64-bit

Item	Weighted Suite	Result	Remark
1	CPU(Multi Core)	PASS	1274 pts
2	CPU(Single Core)	PASS	338 pts
3	MP Ratio	PASS	2.68 x

5.9 Storage Performance

5.9.1 HDD

Test environment:

OS Windows 10 64bit

Program: HD Tune

HDD Model	Interface	Capacity	Average	Burst Rate	Access Time
INTEL SSDSC2BW240A4	SSD	240 GB	315.3 MB/sec	293.3 MB/sec	0.213 ms
SPCC Solid State disk(S55)	SSD	120 GB	337.2 MB/sec	118.9 MB/sec	0.142 ms
CT120 BX500	SSD	120 GB	324.2 MB/sec	151.1 MB/sec	0.059 ms
WDS250G2B0A	SSD	250 GB	422.3 MB/sec	38.6 MB/sec	0.085 ms
Kingston SV300S37A	SSD	240 GB	296.7 MB/sec	294.8 MB/sec	0.165 ms
Kingston DT100G3/64G	USB	64 GB	66.2 MB/sec	68.2 MB/sec	0.409 ms
ADATA UV128/16GB	USB	16 GB	111.8 MB/sec	63.4 MB/sec	0.896 ms

5.9.2 DVD-ROM

Test environment:

OS Windows 10 64bit

Program (NERO)

DVD-ROM Model	Interface	Average Speed	Full Read	Burst Rate	DVD
Transcend DVD TS8XDVDS-K	USB	4.61 x	193 ms	17 MB/s	1 - 16 x
LITEON DVD eTAU108	USB	5.60 x	137 ms	25 MB/s	1 - 16 x
PIONEER DVD DVR-XD11T	USB	5.80 x	181 ms	20 MB/s	1 - 16 x
ZYNET GT32N A201	USB	5.70 x	213 ms	20 MB/s	1 - 16 x