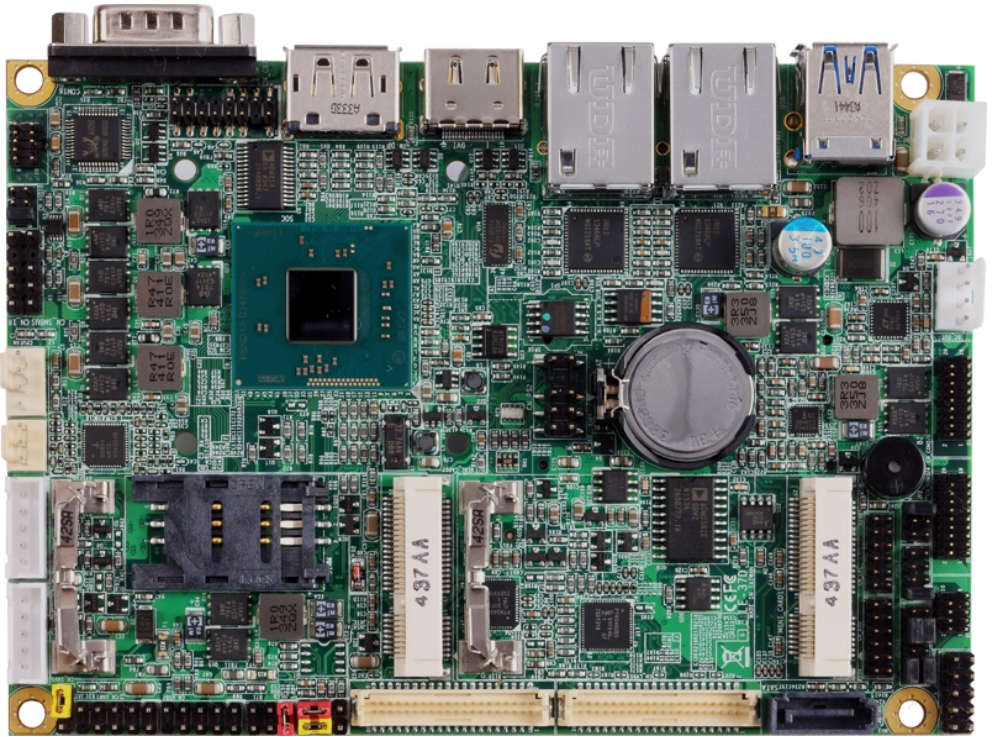


Product Test Report



Product Name	LE-37D
Product Version	C
Issued Date	2016.09.01
Report Edition	1.5
BIOS Version	1.3
Testing Engineer	RICK & Wu DeWei & Larry
Check Engineer	Wu DeWei & Larry

REVISION HISTORY

DATE	REVISION NO.	PAGE	DESCRIPTONS
2014.10.30	Ver. 1.0	61	Initial Release
2014.11.20	Ver. 1.1	57	Add memory , power and mini card test, shorten the graphics.
2015.01.27	Ver. 1.2	58	Modify Minicard support.
2015.05.13	Ver. 1.3	59	Add LE-37DN power consumption.
2016.06.22	Ver. 1.4	59	Fix Minicard.
2016.09.01	Ver. 1.5	60	Add win10 test

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1. Function test

1.1 Hardware function

Base Function Test

Item	Description	Result
1	Power Button	PASS
2	Reset	PASS
3	Power LED	PASS
4	HDD LED	PASS
5	Display port	PASS
6	DVI	PASS
7	LVDS 1 / 2	PASS
8	CN_CRT	PASS
9	PS/2	PASS
10	SATA2	PASS
11	LAN 1 / 2	PASS
12	DDR3L	PASS
13	USB2.0 1 / 2 / 3 / 4 / 5	PASS
14	USB3.0	PASS
15	COM port 1 / 2 / 3 / 4 / 5 / 6	PASS
16	CPU FAN	PASS
17	SYS FAN	PASS
18	CN_AUDIO	PASS
19	CN_DIO	PASS
20	MINI_CARD 1 / 2	PASS
21	CFast	PASS

Jumper

Item	Description	Result
1	JRTC	PASS
2	JCSEL1	PASS
3	JCSEL2	PASS
4	JVLCD	PASS
5	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	Date & Time Setting	PASS	
4	NumLock	PASS	
5	Quick Boot	PASS	
6	Diagnostic Splash Screen	PASS	
7	Diagnostic Summary Screen	PASS	
8	Legacy Boot	PASS	
9	Select Language	PASS	
10	USB Per-Port Control	PASS	
11	Chipset SATA	PASS	
12	Chipset SATA Mode	PASS	
13	SATA Port 0 Hot Plug Capability	PASS	
14	LAN Configuration PXE ROM	PASS	
15	CPU Smart Fan Control	PASS	
16	SYS Smart Fan Control	PASS	
17	Serial Port	PASS	
18	Watch Dog Timer Select	PASS	

19	Power Control	PASS	
20	Power On By RTC Alarm	PASS	
21	Set Supervisor Password	PASS	
22	Set User Password	PASS	
23	Exit Saving Changes	PASS	

1.3 Driver

CD Edition : DIPCi1-1.0

1. Windows 10 32-bit Driver Test

Item	Description	Result	Version
1	Chipset Driver	PASS	10.1.1.13
2	Graphic Driver	PASS	10.18.10.4276
3	LAN Driver (Inbox)	PASS	12.15.22.6
4	Audio Driver (Realtek)	PASS	6.0.1.7541

2. Windows 10 64-bit Driver Test

Item	Description	Result	Version
1	Chipset Driver	PASS	10.1.1.13
2	Graphic Driver	PASS	10.18.10.4276
3	LAN Driver (Inbox)	PASS	12.15.22.6
4	Audio Driver (Realtek)	PASS	6.0.1.7541

3. Windows 8 / 8.1 32-bit Driver Test

Item	Description	Result	Version
1	Chipset Driver	PASS	10.0
2	Graphic Driver	PASS	36.15.0.1073
3	LAN Driver	PASS	12.11.97.0
4	Audio Driver	PASS	6.0.1.6914

4. Windows 8 / 8.1 64-bit Driver Test

Item	Description	Result	Version
1	Chipset Driver	PASS	10.0
2	Graphic Driver	PASS	10.18.10.3621
3	LAN Driver	PASS	12.11.97.0
4	Audio Driver	PASS	6.0.1.6914

5. Windows 7 32-bit Driver Test

Item	Description	Result	Version
1	Chipset Driver	PASS	10.0
2	Graphic Driver	PASS	36.15.0.1073
3	LAN Driver	PASS	12.11.97.0
4	Audio Driver	PASS	6.0.1.6914

6. Windows 7 64-bit Driver Test

Item	Description	Result	Version
1	Chipset Driver	PASS	10.0
2	Graphic Driver	PASS	10.18.10.3621
3	LAN Driver	PASS	12.11.97.0
4	Audio Driver	PASS	6.0.1.6914

7. Windows Server 2008 R2 64-bit driver test

Item	Description	Result	Version
1	Chipset Driver	PASS	10.0
2	Graphic Driver	PASS	10.18.10.3621
3	LAN Driver	PASS	12.11.97.0
4	Audio Driver	PASS	6.0.1.6914

8. Windows Server 2008 32-bit driver test

Item	Description	Result	Version
1	Chipset Driver	NONE	NO SUPPLY
2	Graphic Driver	NONE	NO SUPPLY
3	LAN Driver	NONE	NO SUPPLY
4	Audio Driver	PASS	6.0.1.6914

9. Windows Vista 32/64-bit driver test

Item	Description	Result	Version
1	Chipset Driver	NONE	NO SUPPLY
2	Graphic Driver	NONE	NO SUPPLY
3	LAN Driver	NONE	NO SUPPLY
4	Audio Driver	PASS	6.0.1.6914

2. Compatibility test

2.1 CPU Test

Test environment:

OS Windows 7

Test program : PC MARK 2005

Spec	CPU Speed	Family	Processor	MAX TDP	Smart Cache	Result
SR1SC	2 GHz	Celeron	J1900	10W	2 MB	PASS
SR1W3	1.83 GHz	Celeron	N2930	7.5W	2 MB	PASS
SR1RE	1.91 GHz	Atom	E3845	10W	2 MB	PASS

2.2 Operation System Test

Item	Description	Result	Remark
1	Windows 10 32/64-bit	PASS	
1	Windows 8.1 32/64-bit	PASS	
2	Windows 8 32/64-bit	PASS	
3	Windows 7 32/64-bit	PASS	
4	Windows Server 2008 R2 64-bit	PASS	
5	Windows Server 2008 32-bit	PASS	
6	Windows Vista 32/64-bit	PASS	
7	Windows XP 32/64-bit	NONE	NO SUPPLY
8	Windows Server 2003 32/64bit	NONE	NO SUPPLY
9	Ubuntu 12.04 LST	PASS	AHCI
10	Ubuntu 14.04	PASS	AHCI

2.3 Memory Test

Test environment:

OS Windows 7

Test program : PC MARK 2005

Manufacturer	Chip	Frequency	Capacity Mbytes	Result
Kingston KVR16LS11/4	Kingston D512BEC4BPGG8U	DDR3L 1600	4 GB	PASS
Kingston KVR16LS11/4	NANGA NT5CC512M8BN-DI	DDR3L 1600	4 GB	PASS
Kingston KVR16LS11/8	Micron 4GE77 D9GBJ	DDR3L 1600	8 GB	PASS

2.4 Display port Graphic Quality Test

Test environment:

OS Windows 7 32 / 64-bit

Driver version : 36.15.0.1073

Resolution	Color	Result	Remark
800*600	16 / 32bit	PASS	
1024*768	16 / 32bit	PASS	
1280*720	16 / 32bit	PASS	
1280*800	16 / 32bit	PASS	
1280*1024	16 / 32bit	PASS	
1600*900	16 / 32bit	PASS	
1680*1050	16 / 32bit	PASS	
1920*1080	16 / 32bit	PASS	

2.5 CRT Graphic Quality Test

Test environment:

OS Windows 7 32-bit

Driver version : 36.15.0.1073

Resolution	Color	Result	Remark
800*600	16 / 32bit	PASS	
1024*768	16 / 32bit	PASS	
1152*864	16 / 32bit	PASS	
1280*600	16 / 32bit	PASS	
1280*720	16 / 32bit	PASS	
1280*768	16 / 32bit	PASS	
1280*800	16 / 32bit	PASS	
1280*960	16 / 32bit	PASS	
1280*1024	16 / 32bit	PASS	

1360*768	16 / 32bit	PASS	
1366*768	16 / 32bit	PASS	
1400*1050	16 / 32bit	PASS	
1440*900	16 / 32bit	PASS	
1600*900	16 / 32bit	PASS	
1920*1080	16 / 32bit	PASS	

2.6 Audio

Test environment:

OS Windows 10 32 & 64-bit

Driver version : 6.0.1.7541

Item	Description	Result	Remark
1	2 CH	PASS	
2	Microphone	PASS	

OS Windows 8 32 & 64-bit

Driver version : 6.0.1.6914

Item	Description	Result	Remark
1	2 CH	PASS	
2	Microphone	PASS	

OS Windows 7 32 & 64-bit

Driver version : 6.0.1.6914

Item	Description	Result	Remark
1	2 CH	PASS	
2	Microphone	PASS	

OS Windows Server 2008 R2 64-bit

Driver version : 6.0.1.6914

Item	Description	Result	Remark
1	2 CH	PASS	
2	Microphone	PASS	

OS Windows Server 2008 32-bit

Driver version : 6.0.1.6914

Item	Description	Result	Remark
1	2 CH	PASS	
2	Microphone	PASS	

OS Windows Vista 32 & 64-bit

Driver version : 6.0.1.6914

Item	Description	Result	Remark
1	2 CH	PASS	
2	Microphone	PASS	

OS Ubuntu 14.04

Item	Description	Result	Remark
1	2 CH	PASS	

2.7 HDD Test

Test environment: OS Windows 7

Model	Interface	Capacity	Size Detect	Data Transfer
Western Digital WD10EALX-009BA0	SATA	1.0 TB	PASS	PASS
Western Digital WD3200BEKT-00F3T0	SATA	320 GB	PASS	PASS
Western Digital WD2500AAKS-00VYA0	SATA	250 GB	PASS	PASS
Intel SSDSC2CT060A3	SSD	60 GB	PASS	PASS
TLA AHDS316GMM1CT-03GC	CFast	16 GB	PASS	PASS

2.8 DVD-ROM Test

Test environment: OS Windows 7

Model	Interface	Detect	Data Transfer	Play DVD
ASUS DRW-24D1ST	SATA	PASS	PASS	PASS
LITE-ON iHES312	SATA	PASS	PASS	PASS
LITEON eTAU108	USB	PASS	PASS	PASS
PIONEER DVR-XD11T	USB	PASS	PASS	PASS

2.9 USB device Test

1. MS-DOS

Item	Result	Remark
External USB Keyboard Test	PASS	
Hot plugging test	PASS	
CD ROM	PASS	
USB Mass storage	PASS	

2. Windows Server Vista 32&64-bit

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

3. Windows Server 2008 32-bit

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

4. Windows Server 2008 R2 64-bit

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

5. Windows 7 32& 64-bit

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

6. Windows 8 / 8.1 32& 64-bit

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

7. Windows 8 / 8.1 32& 64-bit

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

8. Windows 10 32& 64-bit

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

9. Ubuntu 12.04 LST / 14.04

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

2.10 Serial Port Test

1. MS-DOS

Item	Description	Result	Remark
1	RS-422 & RS-485	PASS	

2. Windows Vista 32&64-bit

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

3. Windows Server 2008 32-bit

Item	Description	Result	Remark
1	Device Manager Check	PASS	
2	RS-232 Mouse Test	PASS	
3	b&b com port test	PASS	

4. Windows Server 2008 R2 64-bit

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

5. Windows 7 32&64-bit

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

6. Windows 8 32&64-bit

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

7. Windows 10 32&64-bit

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

2.11 PS/2 Keyboard 、 Mouse Test

1. MS-DOS

Item	Description	Result	Remark
1	Keyboard LED Status Test	PASS	
2	Keyboard Typing Test	PASS	
3	Mouse Detect Test	PASS	

2. Windows Vista 32&64-bit

Item	Description	Result	Remark
1	Keyboard LED Status Test	PASS	
2	Keyboard Typing Test	PASS	
3	Mouse Detect Test	PASS	

3. Windows Server 2008 32-bit

Item	Description	Result	Remark
1	Keyboard LED Status Test	PASS	
2	Keyboard Typing Test	PASS	
3	Mouse Detect Test	PASS	

4. Windows Server 2008 R2 64-bit

Item	Description	Result	Remark
1	Keyboard LED Status Test	PASS	
2	Keyboard Typing Test	PASS	
3	Mouse Detect Test	PASS	

5. Windows 7 32&64-bit

Item	Description ⁴	Result	Remark
1	Keyboard LED Status Test	PASS	
2	Keyboard Typing Test	PASS	
3	Mouse Detect Test	PASS	

6. Windows 8 / 8.1 32&64-bit

Item	Description	Result	Remark
1	Keyboard LED Status Test	PASS	
2	Keyboard Typing Test	PASS	
3	Mouse Detect Test	PASS	

2.12 LAN Test

Data Transfer Test environment:

-CAT 6 UTP 100M

-10 HR. continuous

1. Windows Server 2008 R2 64-bit

64-bit driver version : 12.11.97.0

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

2. Windows 7 32 & 64-bit

32/64-bit driver version : 12.11.97.0

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

3. Windows 8 32& 64-bit

32/64-bit driver version : 12.11.97.0

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

4. Ubuntu 12.04 LST

Item	Description	Result	Remark
1	Device Manager Check	PASS	

2.13 PCI Express mini card

Motherboard	PCI Express mini card	Remark
-------------	-----------------------	--------

LE-37D	MPX-210D	PASS
	MPX-210D2	NO SUPPLY
	MPX-574D	PASS
	MPX-574D2	NO SUPPLY
	MPX-643	PASS
	MPX-750	NO SUPPLY
	MPX-827	NO SUPPLY
	MPX-885	PASS
	MPX-954	PASS
	MPX-954E	PASS
	MPX-2515	NO SUPPLY
	MPX-3132	ONLY OS' RAID
	MPX-5201	NO SUPPLY
	MPX-6864	PASS
	MPX-7202	NO SUPPLY
	MPX-9125	PASS
	MPX-24794G2	PASS
	MPX-25858	NO SUPPLY
	MPX-TP4R	NO SUPPLY

2.14 Power Supply Test

Item	TYPE	Description	Result	Remark
1	ATX Power	CORSAIR CMPSU-500CX V2 500W	PASS	
2	ATX Power	Seasonic	PASS	

		SS-500ET 500W		
3	ATX Power	COOLER MASTER RS-390-PMSR-A3 390W	PASS	
4	ATX Power	AcBel PC7008 380W	PASS	
5	Adapter	LI SHIN 0219B1280 80W	PASS	
6	Adapter	LI SHIN 0227B19120 120W	PASS	
7	DC Power Supply	9306D Dual Tracking	PASS	

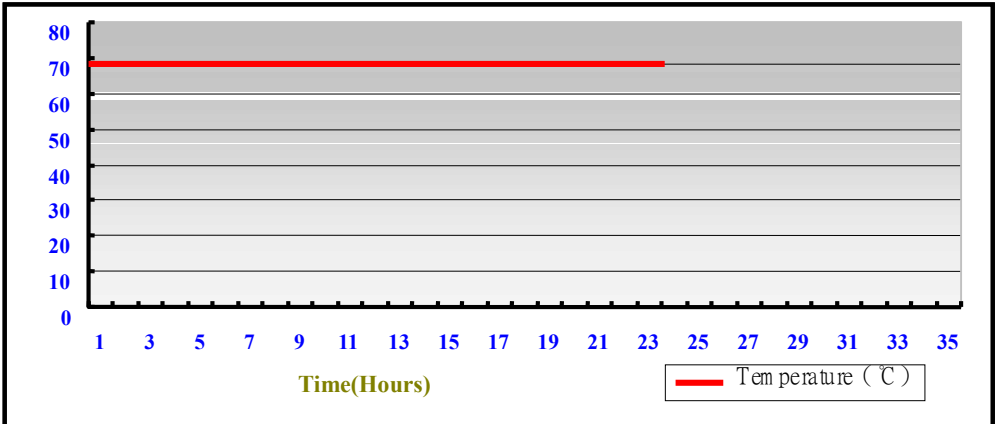
3. Environmental test

3.1 Temperature Test

System Board	LE-37DEIP_B
---------------------	--------------------

CPU	Intel(R) Atom(TM) E3845 1.91GHz
Memory	Kingston DDR3L 1600 8GB x1
HDD	Western Digital WD5002AALX-00J37A0 250GB
Operating OS	Windows 7 32-bit
Test Equipment	GIANT FORCE (GTH-150-60-CP-AR)
Test Program	3DMark 2006

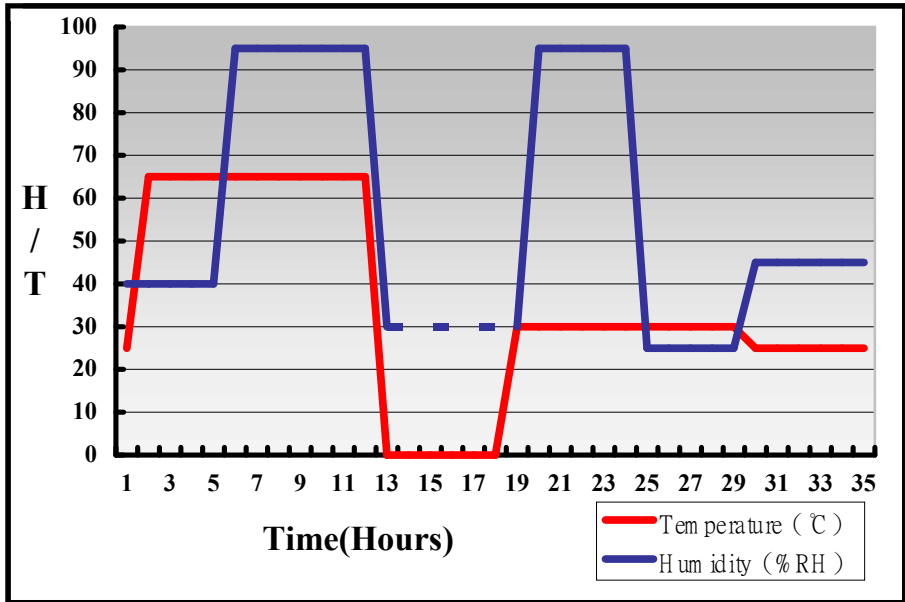
Temperature



Hardware Device list:

System Board	LE-37DEIP_B
CPU	Intel(R) Atom(TM) E3845 1.91GHz

Memory	Kingston DDR3L 1600 4GB (Kingston D512BEC4BPGG8U)
HDD	Western Digital WD10EALX-009BA0 1.0TB
Operating OS	Windows 7 32-bit
Test Equipment	GIANT FORCE (GTH-150-60-CP-AR)
Test Program	3DMark 2006



Definition : When the temperature is 30 degrees below arrive, humidity measurements have not, so by the dashed line express.

Boot Up Test:

Hardware Device list:

System Board	LE-37DEIP_B
--------------	-------------

CPU	Intel(R) Atom(TM) E3845 1.91GHz
Memory	Kingston DDR3L 1600 4GB (Kingston D512BEC4BPGG8U)
HDD	Western Digital WD10EALX-009BA0 1.0TB
Operating OS	Windows 7 32-bit

Temperature	Result	Remark
85°C	PASS	50 Times
-40°C	PASS	50 Times

3.2 Thermal measurements at various points on the board

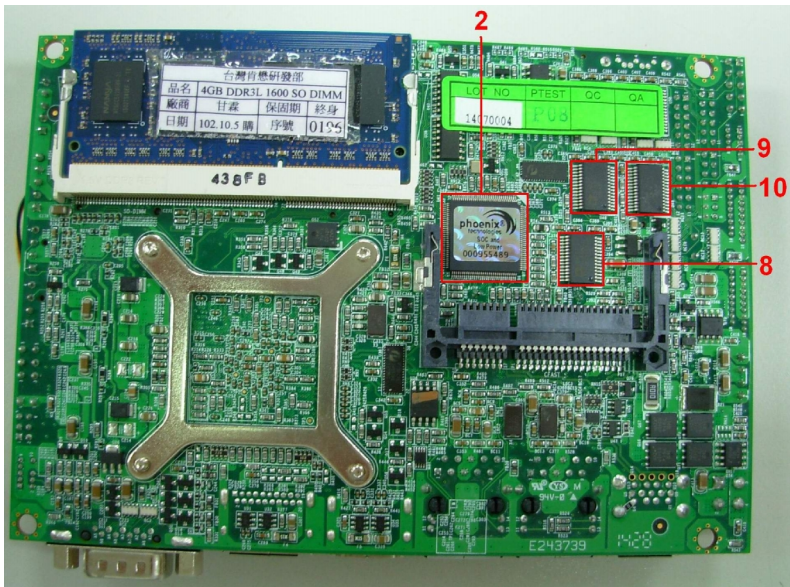
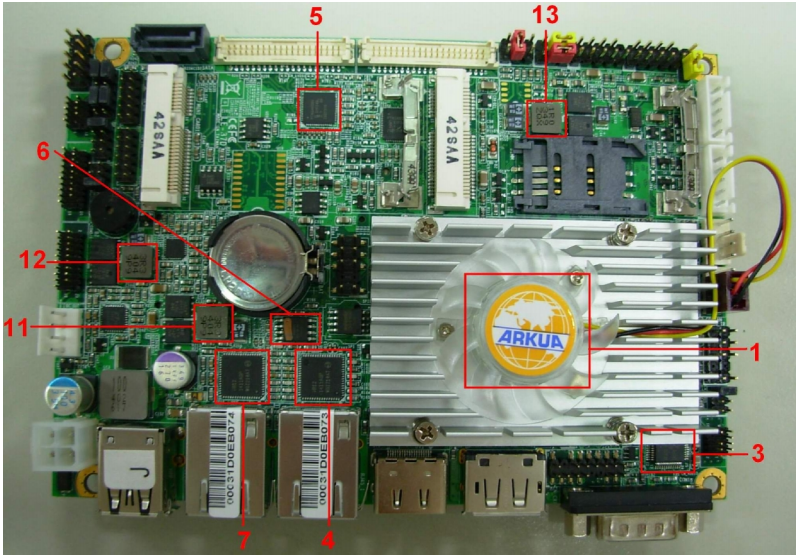
Test Environment :

CPU	Intel(R) Celeron(TM) J1900 1.99GHz
------------	---

Memory	Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)
HDD	Western Digital WD3200BEKT-00F3T0 320GB
Power	AcBel PC7008 430W
Operating System	Windows 7
Test Program	Burnin 6.0

Test Result:

Item	Environmental temperature	26.8°C
1	CPU	37°C
2	U2 (ICHALC262-VD2-GR)	51.6°C
3	U16 (ICI210-AT)	37.7°C
4	U17 (ICPTN3460BS)	31.5°C
5	U18 (ICH25VF080B)	33.1°C
6	U21 (ICI210-AT)	37.3°C
7	U41 (ICNCT6106D+OBLPSB-1)	33.9°C
8	U43 (ICADM213ECA-T)	33.1°C
9	U46 (ICADM213ECA-T)	32.4°C
10	U49 (ICADM213ECA-T)	32.9°C
11	LC1 (LLC3.3UH/063T)	34.2°C
12	LC2 (LLC3.3UH/063T)	32.4°C
13	L4 (LLC1.0UH/063T)	33.9°C



4. Reliability Test

4.1 Power Consumption Test

1. Test Environment:

Motherboard	LE-37DJX2_C
CPU	Intel(R) Celron(TM) J1900 2.42GHz
Memory	Kingston DDR3L 1600 4GB x1
HDD	Western Digital WD3200BPVT 320G

Power Supply : SPS-3610 DC Power Supply

Voltage	MS-DOS Boot up		Win7 32Bit 3DMark2006+Prime95-255a	
	Current (A)	Power (W)	Current (A)	Power (W)
6V	1.41	8.46	2.97	17.82
12V	0.71	8.52	1.47	17.64
27V	0.33	8.94	0.67	18.09

1.a. Test Environment:

The same as above but with LCD panel

Display Panel	AUO M150XG01 V.3 15"LCD
---------------	-------------------------

Power Supply : SPS-3610 DC Power Supply

Voltage	MS-DOS Boot up		Win7 32Bit 3DMark2006+Prime95-255a	
	Current (A)	Power (W)	Current (A)	Power (W)
10V	3.05	30.5	4.12	41.2
12V	2.59	31.08	3.37	40.44
27V	1.17	31.59	1.53	41.31

PS: Execute 3DMark2006 + Prime95-255a input voltage must above 10V

2.Test Environment:

Motherboard	LE-37DNX2_C
CPU	Intel(R) Atom(TM) N2930 1.83GHz
Memory	Kingston DDR3L 1600 4GB x1
HDD	Western Digital WD3200BPVT 320G

Power Supply : SPS-3610 DC Power Supply

Voltage	MS-DOS Boot up		Win7 32Bit 3DMark2006+Prime95-255a	
	Current (A)	Power (W)	Current (A)	Power (W)
6V	1.2	7.2	2.72	16.32
12V	0.61	7.32	1.34	16.08
27V	0.29	7.83	0.57	15.39

2.a.Test Environment:

The same as above but with LCD panel

Display Panel	AUO G150XG01 V.3 15”LCD
---------------	-------------------------

Power Supply : SPS-3610 DC Power Supply

Voltage	MS-DOS Boot up		Win7 32Bit 3DMark2006+Prime95-255a	
	Current (A)	Power (W)	Current (A)	Power (W)
10V	3.01	30.1	3.95	39.5
12V	2.55	30.6	3.29	39.48
27V	1.13	30.51	1.42	38.34

PS: Execute 3DMark2006 + Prime95-255a input voltage must above 10V

3.Test Environment:

Motherboard	LE-37DEX2_C
CPU	Intel(R) Atom(TM) E3845 1.91GHz
Memory	Kingston DDR3L 1600 4GB x1
HDD	Western Digital WD3200BPVT 320G

Power Supply : SPS-3610 DC Power Supply

Voltage	MS-DOS Boot up		Win7 32Bit 3DMark2006+Prime95-255a	
	Current (A)	Power (W)	Current (A)	Power (W)
6V	1.14	8.46	2.71	16.26
12V	0.71	8.52	1.33	15.96
27V	0.33	8.91	0.6	16.2

3.a.Test Environment:

The same as above but with LCD panel

Display Panel	AUO G150XG01 V.3 15”LCD
---------------	-------------------------

Power Supply : SPS-3610 DC Power Supply

Voltage	MS-DOS Boot up		Win7 32Bit 3DMark2006+Prime95-255a	
	Current (A)	Power (W)	Current (A)	Power (W)
10V	3.09	30.9	3.83	38.3
12V	2.6	31.2	2.79	33.48
27V	1.16	31.32	1.44	38.88

PS: Execute 3DMark2006 + Prime95-255a input voltage must above 10V

5. Performance Test

5.1 Performance Test

Windows 7 32-bit

Test Environment		
CPU	Intel(R) Atom(TM) E3845 1.91GHz	
Memory	Kingston DDR3L 1600 4GB (Kingston D512BEC4BPGG8U)	
HDD	Western Digital WD10EALX-009BA0 1.0TB	
WEIGHTED SUITE	Result	Score
PassMark Rating	PASS	545.3
CPU Mark	PASS	1291.5
2D Graphics Mark	PASS	149.4
3D Graphics Mark	PASS	146.6
Memory Mark	PASS	385.4
Disk Mark	PASS	786.4

Windows 7 64-bit

Test Environment		
CPU	Intel(R) Atom(TM) E3845 1.91GHz	
Memory	Kingston DDR3L 1600 4GB (Kingston D512BEC4BPGG8U)	
HDD	Western Digital WD10EALX-009BA0 1.0TB	
WEIGHTED SUITE	Result	Score
PassMark Rating	PASS	615.3
CPU Mark	PASS	1777.4
2D Graphics Mark	PASS	154.6
3D Graphics Mark	PASS	145.8
Memory Mark	PASS	526.7
Disk Mark	PASS	563.4

Windows 7 32-bit

Test Environment		
CPU	Intel(R) Atom(TM) E3845 1.91GHz	
Memory	Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)	
HDD	TLA AHDS316GMM1CT-03GC 16GB	
WEIGHTED SUITE	Result	Score
PassMark Rating	PASS	512.9
CPU Mark	PASS	1246.5
2D Graphics Mark	PASS	133.5
3D Graphics Mark	PASS	143.8
Memory Mark	PASS	385.2
Disk Mark	PASS	614

Windows 7 32-bit

Test Environment		
CPU	Intel(R) Atom(TM) E3845 1.91GHz	
Memory	Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)	
HDD	TLA AHDS316GMM1CT-03GC 16GB	
WEIGHTED SUITE	Result	Score
PassMark Rating	PASS	487.5
CPU Mark	PASS	1153
2D Graphics Mark	PASS	151.7
3D Graphics Mark	PASS	N/A
Memory Mark	PASS	491.7
Disk Mark	PASS	817

Windows 8 32-bit

Test Environment		
CPU	Intel(R) Atom(TM) E3845 1.91GHz	
Memory	Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)	
HDD	Western Digital WD10EALX-009BA0 1.0TB	
WEIGHTED SUITE	Result	Score
PassMark Rating	PASS	563
CPU Mark	PASS	1162
2D Graphics Mark	PASS	155.5
3D Graphics Mark	PASS	139.6
Memory Mark	PASS	484.7
Disk Mark	PASS	881

Windows 7 32-bit

Test Environment		
CPU	Intel(R) Atom(TM) E3845 1.91GHz	
Memory	Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)	
HDD	Western Digital WD10EALX-009BA0 1.0TB	
WEIGHTED SUITE	Result	Score
PassMark Rating	PASS	571.1
CPU Mark	PASS	1396.7
2D Graphics Mark	PASS	165.3
3D Graphics Mark	PASS	149.8
Memory Mark	PASS	438.6
Disk Mark	PASS	554.9

Windows 7 64-bit

Test Environment		
CPU	Intel(R) Celeron(TM) N2930 1.83GHz	
Memory	Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)	
HDD	Western Digital WD3200BEKT-00F3T0 320GB	
WEIGHTED SUITE	Result	Score
PassMark Rating	PASS	606.8
CPU Mark	PASS	1593.9
2D Graphics Mark	PASS	161.8
3D Graphics Mark	PASS	151.2
Memory Mark	PASS	571.7
Disk Mark	PASS	479.9

Windows 8 32-bit

Test Environment		
CPU	Intel(R) Celeron(TM) N2930 1.83GHz	
Memory	Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)	
HDD	Western Digital WD10EALX-009BA0 1.0TB	
WEIGHTED SUITE	Result	Score
PassMark Rating	PASS	612
CPU Mark	PASS	1300
2D Graphics Mark	PASS	175.9
3D Graphics Mark	PASS	148.8
Memory Mark	PASS	520
Disk Mark	PASS	879

Windows 7 32-bit

Test Environment		
CPU	Intel(R) Celeron(TM) J1900 1.99GHz	
Memory	Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)	
HDD	Western Digital WD3200BEKT-00F3T0 320GB	
WEIGHTED SUITE	Result	Score
PassMark Rating	PASS	668.9
CPU Mark	PASS	1621.2
2D Graphics Mark	PASS	168
3D Graphics Mark	PASS	148.6
Memory Mark	PASS	481.3
Disk Mark	PASS	532.1

Windows 7 64-bit

Test Environment		
CPU	Intel(R) Celeron(TM) J1900 1.99GHz	
Memory	Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)	
HDD	Western Digital WD3200BEKT-00F3T0 320GB	
WEIGHTED SUITE	Result	Score
PassMark Rating	PASS	690.4
CPU Mark	PASS	2225.4
2D Graphics Mark	PASS	175.1
3D Graphics Mark	PASS	151.5
Memory Mark	PASS	652.6
Disk Mark	PASS	507.4

Windows 8 32-bit

Test Environment		
CPU	Intel(R) Celeron(TM) J1900 1.99GHz	
Memory	Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)	
HDD	Western Digital WD3200BEKT-00F3T0 320GB	
WEIGHTED SUITE	Result	Score
PassMark Rating	PASS	177.8
CPU Mark	PASS	1434
2D Graphics Mark	PASS	184.2
3D Graphics Mark	PASS	17.3
Memory Mark	PASS	572
Disk Mark	PASS	797

Windows 8 64-bit

Test Environment		
CPU	Intel(R) Celeron(TM) J1900 1.99GHz	
Memory	Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)	
HDD	Western Digital WD3200BEKT-00F3T0 320GB	
WEIGHTED SUITE	Result	Score
PassMark Rating	PASS	183.3
CPU Mark	PASS	2044
2D Graphics Mark	PASS	199
3D Graphics Mark	PASS	17.3
Memory Mark	PASS	790
Disk Mark	PASS	699

Windows 8 32-bit

Test Environment		
CPU	Intel(R) Celeron(TM) N2930 1.83GHz	
Memory	Kingston DDR3L 1600 8GB (Micron 4GE77 D9GBJ)	
HDD	TLA AHDS316GMM1CT-03GC 16GB	
WEIGHTED SUITE	Result	Score
PassMark Rating	PASS	594
CPU Mark	PASS	1271
2D Graphics Mark	PASS	183.8
3D Graphics Mark	PASS	152.4
Memory Mark	PASS	555
Disk Mark	PASS	549

Windows 8 64-bit

Test Environment		
CPU	Intel(R) Celeron(TM) N2930 1.83GHz	
Memory	Kingston DDR3L 1600 8GB (Micron 4GE77 D9GBJ)	
HDD	Western Digital WD5000BEKT-00V1A0 500GB	
WEIGHTED SUITE	Result	Score
PassMark Rating	PASS	
CPU Mark	PASS	
2D Graphics Mark	PASS	
3D Graphics Mark	PASS	
Memory Mark	PASS	
Disk Mark	PASS	

5.2 3D MARK(2001SE 、 2003 、 2005)

Windows 7 32-bit

Weighted Suite	Test Environment	Result	Remark
3DMARK2001 SE SCORE	Intel(R) Atom(TM) E3845 1.91GHz Kingston DDR3L 1600 4GB (Kingston D512BEC4BPGG8U) Western Digital WD10EALX-009BA0 1.0TB	PASS	8374
3DMARK2003 SCORE		PASS	5239
3DMARK2005 SCORE		PASS	3376

Windows 7 64-bit

Weighted Suite	Test Environment	Result	Remark
3DMARK2001 SE SCORE	Intel(R) Atom(TM) E3845 1.91GHz Kingston DDR3L 1600 4GB (Kingston D512BEC4BPGG8U) Western Digital WD10EALX-009BA0 1.0TB	PASS	8422
3DMARK2003 SCORE		PASS	5421
3DMARK2005 SCORE		PASS	3367

Windows 7 32-bit

Weighted Suite	Test Environment	Result	Remark
3DMARK2001 SE SCORE	Intel(R) Atom(TM) E3845 1.91GHz Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI) TLA AHDS316GMM1CT-03GC 16GB	PASS	8414
3DMARK2003 SCORE		PASS	5238
3DMARK2005 SCORE		PASS	3380

Windows 7 32-bit

Weighted Suite	Test Environment	Result	Remark
3DMARK2001 SE SCORE	Intel(R) Celeron(TM) N2930 1.83GHz Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI) TLA AHDS316GMM1CT-03GC 16GB	PASS	9156
3DMARK2003 SCORE		PASS	5676
3DMARK2005 SCORE		PASS	3782

Windows 7 64-bit

Weighted Suite	Test Environment	Result	Remark
3DMARK2001 SE SCORE	Intel(R) Celeron(TM) N2930 1.83GHz Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI) Western Digital WD3200BEKT-00F3T0 320GB	PASS	9168
3DMARK2003 SCORE		PASS	5679
3DMARK2005 SCORE		PASS	3765

Windows 7 32-bit

Weighted Suite	Test Environment	Result	Remark
3DMARK2001 SE SCORE	Intel(R) Celeron(TM) J1900 1.99GHz Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI) Western Digital WD3200BEKT-00F3T0 320GB	PASS	9593
3DMARK2003 SCORE		PASS	5692
3DMARK2005 SCORE		PASS	3778

Windows 7 64-bit

Weighted Suite	Test Environment	Result	Remark
3DMARK2001 SE SCORE	Intel(R) Celeron(TM) J1900 1.99GHz Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI) Western Digital WD3200BEKT-00F3T0 320GB	PASS	9657
3DMARK2003 SCORE		PASS	5647
3DMARK2005 SCORE		PASS	3764

Windows 8 32-bit

Weighted Suite	Test Environment	Result	Remark
3DMARK2001 SE SCORE	Intel(R) Celeron(TM) N2930 1.83GHz Kingston DDR3L 1600 8GB (Micron 4GE77 D9GBJ) TLA AHDS316GMM1CT-03GC 16GB	PASS	9056
3DMARK2003 SCORE		PASS	5508
3DMARK2005 SCORE		PASS	3888

Windows 8 64-bit

Weighted Suite	Test Environment	Result	Remark
3DMARK2001 SE SCORE	Intel(R) Celeron(TM) N2930 1.83GHz Kingston DDR3L 1600 8GB (Micron 4GE77 D9GBJ) Western Digital WD5000BEKT-00V1A0 500GB	PASS	
3DMARK2003 SCORE		PASS	
3DMARK2005 SCORE		PASS	

5.3 3D MARK2006

Windows 7 32-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Atom(TM) E3845 1.91GHz Kingston DDR3L 1600 4GB (Kingston D512BEC4BPGG8U) Western Digital WD10EALX-009BA0 1.0TB	PASS	2273
2	SM2.0 SCORE		PASS	725
3	HDR/SM3.0 SCORE		PASS	940
4	CPU SCORE		PASS	1897

Windows 7 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Atom(TM) E3845 1.91GHz Kingston DDR3L 1600 4GB (Kingston D512BEC4BPGG8U) Western Digital WD10EALX-009BA0 1.0TB	PASS	2295
2	SM2.0 SCORE		PASS	731
3	HDR/SM3.0 SCORE		PASS	952
4	CPU SCORE		PASS	1891

Windows 7 32-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Atom(TM) E3845 1.91GHz Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI) TLA AHDS316GMM1CT-03GC 16GB	PASS	2279
2	SM2.0 SCORE		PASS	728
3	HDR/SM3.0 SCORE		PASS	941
4	CPU SCORE		PASS	1903

Windows 7 32-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Celeron(TM) N2930 1.83GHz Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI) TLA AHDS316GMM1CT-03GC 16GB	PASS	2458
2	SM2.0 SCORE		PASS	799
3	HDR/SM3.0 SCORE		PASS	996
4	CPU SCORE		PASS	2140

Windows 7 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Celeron(TM) N2930 1.83GHz Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI) Western Digital WD3200BEKT-00F3T0 320GB	PASS	2478
2	SM2.0 SCORE		PASS	806
3	HDR/SM3.0 SCORE		PASS	1006
4	CPU SCORE		PASS	2126

Windows 7 32-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Celeron(TM) J1900 1.99GHz Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI) Western Digital WD3200BEKT-00F3T0 320GB	PASS	2482
2	SM2.0 SCORE		PASS	802
3	HDR/SM3.0 SCORE		PASS	999
4	CPU SCORE		PASS	2364

Windows 7 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Celeron(TM) J1900 1.99GHz Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI) Western Digital WD3200BEKT-00F3T0 320GB	PASS	2501
2	SM2.0 SCORE		PASS	807
3	HDR/SM3.0 SCORE		PASS	1009
4	CPU SCORE		PASS	2359

Windows 8 32-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Celeron(TM) N2930 1.83GHz Kingston DDR3L 1600 8GB (Micron 4GE77 D9GBJ) TLA AHDS316GMM1CT-03GC 16GB	PASS	2512
2	SM2.0 SCORE		PASS	817
3	HDR/SM3.0 SCORE		PASS	1018
4	CPU SCORE		PASS	2176

Windows 8 64-bit

Item	Weighted Suite	Test Environment	Result	Remark
1	3DMARK SCORE	Intel(R) Celeron(TM) N2930 1.83GHz Kingston DDR3L 1600 8GB (Micron 4GE77 D9GBJ) Western Digital WD5000BEKT-00V1A0 500GB	PASS	
2	SM2.0 SCORE		PASS	
3	HDR/SM3.0 SCORE		PASS	
4	CPU SCORE		PASS	

5.4 PC MARK2002

Test Environment
Intel(R) Atom(TM) E3845 1.91GHz Kingston DDR3L 1600 4GB (Kingston D512BEC4BPGG8U) Western Digital WD10EALX-009BA0 1.0TB

Windows 7 32-bit

Item	Weighted Suite	Result	Remark
1	CPU SCORE	PASS	N/A
2	Memory SCORE	PASS	12531
3	HDD SCORE	PASS	3220

Test Environment
Intel(R) Atom(TM) E3845 1.91GHz Kingston DDR3L 1600 4GB (Kingston D512BEC4BPGG8U) Western Digital WD10EALX-009BA0 1.0TB

Windows 7 64-bit

Item	Weighted Suite	Result	Remark
1	CPU SCORE	PASS	N/A
2	Memory SCORE	PASS	12475
3	HDD SCORE	PASS	2498

Test Environment

**Intel(R) Atom(TM) E3845 1.91GHz
Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)
TLA AHDS316GMM1CT-03GC 16GB**

Windows 7 32-bit

Item	Weighted Suite	Result	Remark
1	CPU SCORE	PASS	N/A
2	Memory SCORE	PASS	12499
3	HDD SCORE	PASS	2273

Test Environment

**Intel(R) Celeron(TM) N2930 1.83GHz
Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)
TLA AHDS316GMM1CT-03GC 16GB**

Windows 7 32-bit

Item	Weighted Suite	Result	Remark
1	CPU SCORE	PASS	N/A
2	Memory SCORE	PASS	13286
3	HDD SCORE	PASS	3480

Test Environment
Intel(R) Celeron(TM) N2930 1.83GHz Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI) Western Digital WD3200BEKT-00F3T0 320GB

Windows 7 64-bit

Item	Weighted Suite	Result	Remark
1	CPU SCORE	PASS	N/A
2	Memory SCORE	PASS	13401
3	HDD SCORE	PASS	2265

Test Environment
Intel(R) Celeron(TM) J1900 1.99GHz Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI) Western Digital WD3200BEKT-00F3T0 320GB

Windows 7 32-bit

Item	Weighted Suite	Result	Remark
1	CPU SCORE	PASS	N/A
2	Memory SCORE	PASS	13801
3	HDD SCORE	PASS	2165

Test Environment
Intel(R) Celeron(TM) J1900 1.99GHz Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI) Western Digital WD3200BEKT-00F3T0 320GB

Windows 7 64-bit

Item	Weighted Suite	Result	Remark
1	CPU SCORE	PASS	N/A
2	Memory SCORE	PASS	14089
3	HDD SCORE	PASS	2411

5.5 PC MARK2004

Test Environment
Intel(R) Atom(TM) E3845 1.91GHz Kingston DDR3L 1600 4GB (Kingston D512BEC4BPGG8U) Western Digital WD10EALX-009BA0 1.0TB

Windows 7 32-bit

Item	Weighted Suite	Result	Remark
1	PCMark SCORE	PASS	N/A
2	CPU SCORE	PASS	4482
3	Memory SCORE	PASS	4191
4	Graphic SCORE	PASS	3591
5	HDD SCORE	PASS	N/A

Test Environment
Intel(R) Atom(TM) E3845 1.91GHz Kingston DDR3L 1600 4GB (Kingston D512BEC4BPGG8U) Western Digital WD10EALX-009BA0 1.0TB

Windows 7 64-bit

Item	Weighted Suite	Result	Remark
1	PCMark SCORE	PASS	N/A
2	CPU SCORE	PASS	4463
3	Memory SCORE	PASS	4179
4	Graphic SCORE	PASS	3765
5	HDD SCORE	PASS	N/A

Test Environment
Intel(R) Atom(TM) E3845 1.91GHz Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI) TLA AHDS316GMM1CT-03GC 16GB

Windows 7 32-bit

Item	Weighted Suite	Result	Remark
1	PCMark SCORE	PASS	N/A
2	CPU SCORE	PASS	4471
3	Memory SCORE	PASS	4203
4	Graphic SCORE	PASS	3699
5	HDD SCORE	PASS	N/A

Test Environment
Intel(R) Celeron(TM) N2930 1.83GHz Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI) TLA AHDS316GMM1CT-03GC 16GB

Windows 7 32-bit

Item	Weighted Suite	Result	Remark
1	PCMark SCORE	PASS	N/A
2	CPU SCORE	PASS	5008
3	Memory SCORE	PASS	4495
4	Graphic SCORE	PASS	4154
5	HDD SCORE	PASS	N/A

Test Environment
Intel(R) Celeron(TM) N2930 1.83GHz Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI) Western Digital WD3200BEKT-00F3T0 320GB

Windows 7 64-bit

Item	Weighted Suite	Result	Remark
1	PCMark SCORE	PASS	N/A
2	CPU SCORE	PASS	4986
3	Memory SCORE	PASS	4469
4	Graphic SCORE	PASS	4429
5	HDD SCORE	PASS	N/A

Test Environment

**Intel(R) Celeron(TM) J1900 1.99GHz
Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)
Western Digital WD3200BEKT-00F3T0 320GB**

Windows 7 32-bit

Item	Weighted Suite	Result	Remark
1	PCMark SCORE	PASS	N/A
2	CPU SCORE	PASS	5613
3	Memory SCORE	PASS	4719
4	Graphic SCORE	PASS	4232
5	HDD SCORE	PASS	N/A

Test Environment

**Intel(R) Celeron(TM) J1900 1.99GHz
Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)
Western Digital WD3200BEKT-00F3T0 320GB**

Windows 7 64-bit

Item	Weighted Suite	Result	Remark
1	PCMark SCORE	PASS	N/A
2	CPU SCORE	PASS	5605
3	Memory SCORE	PASS	4745
4	Graphic SCORE	PASS	4082
5	HDD SCORE	PASS	N/A

Test Environment

**Intel(R) Celeron(TM) N2930 1.83GHz
Kingston DDR3L 1600 8GB (Micron 4GE77 D9GBJ)
TLA AHDS316GMM1CT-03GC 16GB**

Windows 8 32-bit

Item	Weighted Suite	Result	Remark
1	PCMark SCORE	PASS	N/A
2	CPU SCORE	PASS	4918
3	Memory SCORE	PASS	4527
4	Graphic SCORE	PASS	N/A
5	HDD SCORE	PASS	N/A

Test Environment

**Intel(R) Celeron(TM) N2930 1.83GHz
Kingston DDR3L 1600 8GB (Micron 4GE77 D9GBJ)
Western Digital WD5000BEKT-00V1A0 500GB**

Windows 8 64-bit

Item	Weighted Suite	Result	Remark
1	PCMark SCORE	PASS	
2	CPU SCORE	PASS	
3	Memory SCORE	PASS	
4	Graphic SCORE	PASS	
5	HDD SCORE	PASS	

5.6 PC MARK2005

Test Environment
Intel(R) Atom(TM) E3845 1.91GHz Kingston DDR3L 1600 4GB (Kingston D512BEC4BPGG8U) Western Digital WD10EALX-009BA0 1.0TB

Windows 7 32-bit

Item	Weighted Suite	Result	Remark
1	PCMark SCORE	PASS	N/A
2	CPU SCORE	PASS	3860
3	Memory SCORE	PASS	3930
4	Graphic SCORE	PASS	N/A
5	HDD SCORE	PASS	N/A

Test Environment
Intel(R) Atom(TM) E3845 1.91GHz Kingston DDR3L 1600 4GB (Kingston D512BEC4BPGG8U) Western Digital WD10EALX-009BA0 1.0TB

Windows 7 64-bit

Item	Weighted Suite	Result	Remark
1	PCMark SCORE	PASS	N/A
2	CPU SCORE	PASS	3857
3	Memory SCORE	PASS	3899
4	Graphic SCORE	PASS	N/A
5	HDD SCORE	PASS	N/A

Test Environment

**Intel(R) Atom(TM) E3845 1.91GHz
Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)
TLA AHDS316GMM1CT-03GC 16GB**

Windows 7 32-bit

Item	Weighted Suite	Result	Remark
1	PCMark SCORE	PASS	N/A
2	CPU SCORE	PASS	3859
3	Memory SCORE	PASS	3896
4	Graphic SCORE	PASS	N/A
5	HDD SCORE	PASS	N/A

Test Environment

**Intel(R) Celeron(TM) N2930 1.83GHz
Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)
TLA AHDS316GMM1CT-03GC 16GB**

Windows 7 32-bit

Item	Weighted Suite	Result	Remark
1	PCMark SCORE	PASS	N/A
2	CPU SCORE	PASS	4383
3	Memory SCORE	PASS	4211
4	Graphic SCORE	PASS	N/A
5	HDD SCORE	PASS	N/A

Test Environment

Intel(R) Celeron(TM) N2930 1.83GHz
Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)
Western Digital WD3200BEKT-00F3T0 320GB

Windows 7 64-bit

Item	WEIGHTED SUITE	Result	Remark
1	PCMark SCORE	PASS	N/A
2	CPU SCORE	PASS	4367
3	Memory SCORE	PASS	4188
4	Graphic SCORE	PASS	N/A
5	HDD SCORE	PASS	N/A

Test Environment

Intel(R) Celeron(TM) J1900 1.99GHz
Kingston DDR3L 1600 4GB (NANGA NT5CC512M8BN-DI)
Western Digital WD3200BEKT-00F3T0 320GB

Windows 7 32-bit

Item	Weighted Suite	Result	Remark
1	PCMark SCORE	PASS	N/A
2	CPU SCORE	PASS	4855
3	Memory SCORE	PASS	4440
4	Graphic SCORE	PASS	N/A
5	HDD SCORE	PASS	N/A

Test Environment

**Intel(R) Celeron(TM) N2930 1.83GHz
Kingston DDR3L 1600 8GB (Micron 4GE77 D9GBJ)
TLA AHDS316GMM1CT-03GC 16GB**

Windows 8 32-bit

Item	Weighted Suite	Result	Remark
1	PCMark SCORE	PASS	N/A
2	CPU SCORE	PASS	4388
3	Memory SCORE	PASS	4206
4	Graphic SCORE	PASS	N/A
5	HDD SCORE	PASS	N/A

Test Environment

**Intel(R) Celeron(TM) N2930 1.83GHz
Kingston DDR3L 1600 8GB (Micron 4GE77 D9GBJ)
Western Digital WD5000BEKT-00V1A0 500GB**

Windows 8 64-bit

Item	Weighted Suite	Result	Remark
1	PCMark SCORE	PASS	N/A
2	CPU SCORE	PASS	4403
3	Memory SCORE	PASS	4225
4	Graphic SCORE	PASS	N/A
5	HDD SCORE	PASS	N/A

5.7 Storage Performance

5.7.1 HDD

Test environment:

OS Windows 7

Program (HD Tune)

HDD Model	Interface	Capacity	Average	Burst Rate	Access time
Western Digital WD10EALX-009BA0	SATA	1.0 TB	99.1 MB/sec	135.3 MB/sec	13.2 ms
Western Digital WD3200BEKT-00F3T0	SATA	320 GB	56.3 MB/sec	64.3 MB/sec	15.6 ms
Western Digital WD2500AAKS-00VYA0	SATA	250 GB	55.8 MB/sec	56.4 MB/sec	13.4 ms
Intel SSDSC2CT060A3	SSD	60 GB	63.3 MB/sec	57.7 MB/sec	0.4 ms
TLA AHDS316GMM1CT-03GC	CFast	16 GB	109.6 MB/sec	69.1 MB/sec	0.5 ms
BUFFALO BUF-HP-HXU3(B)	USB 3.0	1 TB	24.5 MB/sec	14.7 MB/sec	14.5 ms
Kingston DDTHX30	USB 3.0	64 GB	1 MB/sec	1 MB/sec	2 ms
ADATA C906	USB	8 GB	15.1 MB/sec	13.5 MB/sec	1.4 ms
TDK LoR Trans-It Drive	USB	4 GB	16 MB/sec	11.8 MB/sec	1.5 ms

5.7.2 DVD-ROM

Test environment:

OS Windows 7

Program (NERO)

DVD-ROM Model	Interface	Average Speed	Full Read	Burst Rate	DVD
ASUS DRW-24D1ST	SATA	10.22 x	165 ms	40 MB/s	16 X DVD-R
LITE-ON iHES312	SATA	10.13 x	145 ms	43 MB/s	16 X DVD-R
LITEON eTAU108	USB	5.18 x	209 ms	16 MB/s	16 X DVD-R
PIONEER DVR-XD11T	USB	2.59 x	200 ms	18 MB/s	16 X DVD-R