

1. Stability Test: Rev.022

1.1 CPU Function Test:

Test Purpose	Test CPU functions work normally under Windows Operating System
Test Procedure	<ol style="list-style-type: none"> 1. Install Windows Operating System 2. Install M/B Device Driver 3. CPU-Z check CPU info 4. Run AIDA64 Cache and Memory Benchmark Ver.5.30.3600 1 time 5. Run Passmark Performance Test 8.0 Build1051 1 time 6. Run 3DMark for Windows Ver.1.5.915 BenchMark 3 times 7. S3/Hibernate Test 3 times
Test Criteria	It should be no problem for all tests

No.	CPU	Type	Result
1	Intel / 2.20GHz	Skylake-S (QHQG) / 65W / LGA1151	Pass (was:ID2128, 2164)
2	Intel / 2.20GHz	Skylake-S (QHVZ) / 35W / LGA1151	Pass (was:ID2128, 2164)
3	Intel / 2.10GHz	Skylake-S (QHW0) / 35W / LGA1151	Pass (was:ID2128, 2164)
4	Intel / 2.40GHz	Skylake-S (QHVX) / 35W / LGA1151	Pass (was:ID2128, 2164)
5	Intel / 2.40GHz	Core i7-6700TE (Skylake-S/QJGZ) / 35W / LGA1151	Pass
6	Intel / 2.30GHz	Core i5-6500TE (Skylake-S/QJH2) / 35W / LGA1151	Pass
7	Intel / 2.70GHz	Core i3-6100TE (Skylake-S/QJH3) / 35W / LGA1151	Pass
8	Intel / 3.70GHz	Core i3-6100 (Skylake-S/S0-SR2HG) / 51W / LGA1151	Pass

1.2 Memory Function Test:

Test Purpose	Test Memory functions work normally under Windows Operating System
Test Procedure	<ol style="list-style-type: none"> 1. Install Windows Operating System 2. Install M/B Device Driver 3. Run AIDA64 Cache and Memory Benchmark Ver.5.30.3600 1 time 4. Run Passmark Performance Test 8.0 Build1051 1 time 5. Run 3DMark for Windows Ver.1.5.915 BenchMark 3 times 6. S3/Hibernate Test 3 times
Test Criteria	It should be no problem for the test

1.2.1 DDRIII:

No.	Function	Result
1	Single Channel mode	Pass
2	Dual channel mode	Pass
3	DIMM Slot1	Pass
4	DIMM Slot2	Pass

1.2.2 Application Test:

No.	Software	Test Keypoint	Test Environment	Result
1	MemTest86 Ver.6.0.0	1. Burn-In test 12 hours.	M/B: SD630-H110C Rev.2 (022) (BSF381500011) M/B BIOS: Insyde 10/28/2015 M/B Driver: Demo Oct/19/2015 CPU: Intel / Core i7-6700TE (Skylake-S/QJGZ) / 2.4GHz DDR3: Apacer (75.C93DK.G000C 1.35V/1.5V) [512Mx8b-x16/1024Mx64b,CL=11] / Micron (2ED27-D9PCP) / PC3-12800 (DDR3L-1600) / 8GB *2 SSD: Intel / SSDSC2BW120A401 SATA3 120GB/2.5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Jagier / KY-580ATX 480W O.S.: DOS	Pass

1.2.3 DDR3 Approved List:

No.	Brand	Chip	Size	Type	Chip Model No.	Vendor Part No.	Result
1	Apacer	Micron	8GB	PC3-12800 (DDR3L-1600)	2ED27-D9PCP	75.C93DK.G000C 1.35V/1.5V [512Mx8b-x16/1024Mx64b,CL=11]	Pass

2	Kingston	Micron	8GB	PC3-12800 (DDR3L-1600)	3VE77-D9QBJ	VR16LN11/8 1.35V [512Mx8b-x16/1Gx64b,CL=11]	Pass
3	ADATA	Micron	8GB	PC3L-12800 (DDR3L-1600)	D9QBJ (E Die)	ADDU1600W8G11-BMIE 1.35V/1.5V [512Mx8b-x16/1024Mx64b,CL=11]	Pass
4	ADATA	Micron	4GB	PC3L-12800 (DDR3L-1600)	D9QBJ (E Die)	ADDU1600W4G11-BMIE 1.35V/1.5V [512Mx8b-x8/512Mx64b,CL=11]	Pass
5	INNODISK	Micron	2GB	PC3-12800 (DDR3L-1600)	1WM77-D9PFJ	M3UP-2GMJBLOC-M 1.35V/1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass
6	ADATA	Micron	2GB	PC3L-12800 (DDR3L-1600)	D9PSH(K Die)	ADDU1600C2G11-BMIK 1.35V/1.5V [256Mx8b-x8/256Mx64b,CL=11]	Pass



1.2.4 DDR3 Module Test Procedures:

No.	DDR3 Module	Test Environment	Result
1	Apacer (75.C93DK.G000C 1.35V/1.5V) [512Mx8b-x16/1024Mx64b,CL=11] / Micron (2ED27-D9PCP) / PC3-12800 (DDR3L-1600) / 8GB *2	M/B: SD630-H110C Rev.2 (022) (BSF381500011) M/B BIOS: Insyde 10/28/2015 M/B Driver: Demo Oct/19/2015 CPU: Intel / Core i7-6700TE (Skylake-S/QJGZ) / 2.4GHz DIMM Slot: DIMM-1/2 (Dual channel) SSD: Intel / SSDSC2BW120A401 SATA3 120GB/2.5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 8.1 Embedded Pro 64Bit (with update 1) (English) Test Summary: Environment Temp.:27.5°C CPU Temp.:28°C CPU Temp. after 3DMark:26°C 1.AIDA64 Cache and Memory Benchmark Ver.5.30.3600 READ:23958 MB/s WRITE:23945 MB/s COPY:23877 MB/s 2.Passmark PerformanceTest 8.0 Build 1051 CPU Mark:6966 Memory Mark:2082 3.3DMark for Windows Ver.1.5.915 Cloud Gate:8114 Ice Storm Extreme:47446 Skydiver:3925 Fire Strike:884	Pass

<p>2</p>	<p>Kingston (KVR16LN11/8 1.35V) [512Mx8b-x16/1Gx64b,CL=11] / Micron (3VE77-D9QBJ) / PC3L-12800 (DDR3L-1600) / 8GB *2</p>	<p>M/B: SD630-H110C Rev.2 (022) (BSF381500015) M/B BIOS: Insyde 10/28/2015 M/B Driver: Demo Oct/19/2015 CPU: Intel / Skylake-S (QHVX) / 2.4GHz DIMM Slot: DIMM-1/2 (Dual channel) SATA HDD: WD / WD15EADS-00R6B0 SATA2 NCQ 1.5TB/7200RPM Display: On Board DVD-RW: Lite-On / It iHAS324-07 SATA Power: SeaSonic / SS-400ET 400W O.S.: Windows 8.1 Embedded Pro 64Bit (with update 1) (English) Test Summary: Environment Temp.:26.1℃ CPU Temp.:24℃ CPU Temp. after 3DMark:23℃ 1.AIDA64 Cache and Memory Benchmark Ver.5.30.3600 READ:23481 MB/s WRITE:23549 MB/s COPY:23097 MB/s 2.Passmark PerformanceTest 8.0 Build 1051 CPU Mark:6562 Memory Mark:2050 3.3DMark for Windows Ver.1.5.915 Cloud Gate:6956 Ice Storm Extreme:40261 Skydiver:3313 Fire Strike:769</p>	<p>Pass</p>
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No.	DDR3 Module	Test Environment	Result
3	ADATA (ADDU1600W8G11-BMIE 1.35V/1.5V) [512Mx8b-x16/1024Mx64b,CL=11] / Micron (D9QBJ (E Die)) / PC3L-12800 (DDR3L-1600) / 8GB *1	M/B: SD630-H110C Rev.2 (022) (BSF381500015) M/B BIOS: Insyde 10/28/2015 M/B Driver: Demo Oct/19/2015 CPU: Intel / Core i3-6100TE (Skylake-S/QJH3) / 2.7GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: WD / WD15EADS-00R6B0 SATA2 NCQ 1.5TB/7200RPM Display: On Board DVD-RW: Lite-On / It iHAS324-07 SATA Power: SeaSonic / SS-400ET 400W O.S.: Windows 8.1 Embedded Pro 64Bit (with update 1) (English) Test Summary: Environment Temp.:29.5°C CPU Temp.:25°C CPU Temp. after 3DMark:24°C 1.AIDA64 Cache and Memory Benchmark Ver.5.30.3600 READ:12275 MB/s WRITE:11897 MB/s COPY:12526 MB/s 2.Passmark PerformanceTest 8.0 Build 1051 CPU Mark:4124 Memory Mark:1679 3.3DMark for Windows Ver.1.5.915 Cloud Gate:5134 Ice Storm Extreme:33760 Skydiver:3165 Fire Strike:660	Pass

4	<p>ADATA (ADDU1600W4G11-BMIE 1.35V/1.5V) / [512Mx8b-x8/512Mx64b,CL=11] / Micron (D9QBJ (E Die)) / PC3L-12800 (DDR3L-1600) / 4GB *1</p>	<p>M/B: SD630-H110C Rev.2 (022) (BSF381500015) M/B BIOS: Insyde 10/28/2015 M/B Driver: Demo Oct/19/2015 CPU: Intel / Core i5-6500TE (Skylake-S/QJH2) / 2.3GHz DIMM Slot: DIMM-2 (Single channel) SATA HDD: WD / WD15EADS-00R6B0 SATA2 NCQ 1.5TB/7200RPM Display: On Board DVD-RW: Lite-On / It iHAS324-07 SATA Power: SeaSonic / SS-400ET 400W O.S.: Windows 8.1 Embedded Pro 64Bit (with update 1) (English) Test Summary: Environment Temp.:29.7℃ CPU Temp.:24℃ CPU Temp. after 3DMark:24℃ 1.AIDA64 Cache and Memory Benchmark Ver.5.30.3600 READ:11625 MB/s WRITE:11342 MB/s COPY:10513 MB/s 2.Passmark PerformanceTest 8.0 Build 1051 CPU Mark:4849 Memory Mark:1407 3.3DMark for Windows Ver.1.5.915 Cloud Gate:5565 Ice Storm Extreme:34616 Skydiver:3236 Fire Strike:626</p>	Pass
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No.	DDR3 Module	Test Environment	Result
5	INNODISK (M3UP-2GMJBL0C-M 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Micron (1WM77-D9PFJ) / PC3-12800 (DDR3L-1600) / 2GB *2	M/B: SD630-H110C Rev.2 (022) (BSF381500015) M/B BIOS: Insyde 10/28/2015 M/B Driver: Demo Oct/19/2015 CPU: Intel / Skylake-S (QHQG) / 2.2GHz DIMM Slot: DIMM-1/2 (Dual channel) SATA HDD: WD / WD15EADS-00R6B0 SATA2 NCQ 1.5TB/7200RPM Display: On Board DVD-RW: Lite-On / It iHAS324-07 SATA Power: SeaSonic / SS-400ET 400W O.S.: Windows 8.1 Embedded Pro 64Bit (with update 1) (English) Test Summary: Environment Temp.:27.8°C CPU Temp.:24°C CPU Temp. after 3DMark:22°C 1.AIDA64 Cache and Memory Benchmark Ver.5.30.3600 READ:22898 MB/s WRITE:22817 MB/s COPY:20783 MB/s 2.Passmark PerformanceTest 8.0 Build 1051 CPU Mark:5969 Memory Mark:1679 3.3DMark for Windows Ver.1.5.915 Cloud Gate:5863 Ice Storm Extreme:34938 Skydiver:2760 Fire Strike:637	Pass

6	<p>ADATA (ADDU1600C2G11-BMIK 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=11] / Micron (D9PSH(K Die)) / PC3L-12800 (DDR3L-1600) / 2GB *2</p>	<p>M/B: SD630-H110C Rev.2 (022) (BSF381500015) M/B BIOS: Insyde 10/28/2015 M/B Driver: Demo Oct/19/2015 CPU: Intel / Skylake-S (QHW0) / 2.1GHz DIMM Slot: DIMM-1/2 (Dual channel) SATA HDD: WD / WD15EADS-00R6B0 SATA2 NCQ 1.5TB/7200RPM Display: On Board DVD-RW: Lite-On / It iHAS324-07 SATA Power: SeaSonic / SS-400ET 400W O.S.: Windows 8.1 Embedded Pro 64Bit (with update 1) (English) Test Summary: Environment Temp.:28.5°C CPU Temp.:25°C CPU Temp. after 3DMark:22°C 1.AIDA64 Cache and Memory Benchmark Ver.5.30.3600 READ:22608 MB/s WRITE:23033 MB/s COPY:20678 MB/s 2.Passmark PerformanceTest 8.0 Build 1051 CPU Mark:3239 Memory Mark:1652 3.3DMark for Windows Ver.1.5.915 Cloud Gate:4747 Ice Storm Extreme:34696 Skydiver:2738 Fire Strike:658</p>	Pass
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