

1. Stability Test: Rev.011

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.5.60.3700 1 time 5. Run Passmark Performance Test 8.0 Build1053 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	CPU Temp.	Result
1	Intel / 2.60GHz	Core i7-6600U (Skylake-U/D1-SR2F1) / 15W / BGA1356	33.5 °C	Pass
2	Intel / 2.40GHz	Core i5-6300U (Skylake-U/D1-SR2F0) / 15W / BGA1356	28.5 °C	Pass
3	Intel / 2.30GHz	Core i3-6100U (Skylake-U/D1-SR2EU) / 15W / BGA1356	38.5 °C	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.5.60.3700 1 time 4. Run Passmark Performance Test 8.0 Build1053 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

1.2.3 DDR4:

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

1.2.4 Application Test:

No.	Software	Test Keypoint	Test Environment	Result
1	MemTest86 Ver.6.0.0	1. Burn-In test 12 hours.	M/B: SU253-CB4-6600U Rev.1 (011) (BSG020500004) M/B BIOS: Insyde 01/21/2016 M/B Driver: SU-Series_ver.0.2.1601.0 CPU: Intel / Core i7-6600U (Skylake-U/D1-SR2F1) / 2.60GHz DDR4: Samsung (K4A8G165WB-BCPB 1.2V) [512Mx16,1067MHz@CL=15,tRCD=15 tRP=15] SEC (513) / PC4-17000 (DDR4-2133)8GB *1 Intel / SSDSC2CT080A4 SATA 80GB / 2.5" On Board (using VGA) SSD: Asus / DVD-E818A9T SATA (port SATA3_2) Display: Edac / EA10521F-190 (60W) DVD-ROM: CWT / CWT-550AD (550W) Power: DOS O.S.:	Pass

1.2.5 DDR4 Approved List:

No.	Brand	Chip	Size	Type	Chip Model No.	Vendor Part No.	Result
1	Samsung	SEC	4GB	PC4-17000 (DDR4-2133)	K4A4G165WD-BCPB	[256Mx16,1067MHz,CL=15,tRCD=15 tRP=15,1.2V]	Pass
2	Samsung	SEC	8GB	PC4-17000 (DDR4-2133)	K4A8G165WB-BCPB	SEC (513) 1.2V [512Mx16,1067MHz@CL=15,tRCD=15 tRP=15]	Pass



1.2.6 DDR4 Module Test Procedures:

No.	DDR4 Module	Test Environment	Result
1	Samsung (K4A4G165WD-BCPB 1.2V) [256Mx16,1067MHz,CL=15,tRCD=15 tRP=15] PC4-17000 (DDR4-2133) / 4GB *1	M/B: SU251-CB4-6600U Rev.1 (011) (BSG020400007) M/B BIOS: Insyde 01/21/2016 M/B Driver: SU-Series_ver.0.2.1601.0 CPU: Intel / Core i5-6300U (Skylake-U/D1-SR2F0) / 2.40GHz DIMM Slot: DIMM-0/1 (Dual channel) Hitachi / HDP725025GLA380 SATA 250GB NCQ/3.5"/7200RPM SATA HDD: On Board (using VGA) Display: Asus / DVD-E818A9T SATA (port SATA3_2) DVD-ROM: Edac / EA10521C-120 (60W) Power: FSP / RA450 (450W) O.S.: Windows 8.1 Embedded Pro 64Bit (with update 1) (English) (UEFI) Test Summary: Environment Temp.:25.6°C CPU Temp.:28.5°C CPU Temp. after 3DMark:30.5°C 1.AIDA64 Cache and Memory Benchmark Ver.5.60.3700 READ:27831 MB/s WRITE:29257 MB/s COPY:24313 MB/s 2.PassMark PerformanceTest 8.0 build 1053 CPU Mark:3792 Memory Mark:1863 3.3DMark for Windows Ver.1.5.915 Cloud Gate:4846 Ice Storm:31427 Sky Diver:2785 Strike Test:679	Pass
2	Samsung (K4A8G165WB-BCPB 1.2V) [512Mx16,1067MHz@CL=15,tRCD=15 tRP=15] SEC (513) / PC4-17000 (DDR4-2133) 8GB *1	M/B: SU253-CB4-6600U Rev.1 (011) (BSG020500004) M/B BIOS: Insyde 01/21/2016 M/B Driver: SU-Series_ver.0.2.1601.0 CPU: Intel / Core i7-6600U (Skylake-U/D1-SR2F1) / 2.60GHz DIMM Slot: DIMM-0/1 (Dual channel) Intel / SSDSC2CT080A4 SATA 80GB / 2.5" SSD: On Board (using VGA) Display: Asus / DVD-E818A9T SATA (port SATA3_2) DVD-ROM: Edac / EA10521F-190 (60W) Power: CWT / CWT-550AD (550W) O.S.: Windows 8.1 Embedded Pro 64Bit (with update 1) (English) (UEFI) Test Summary: Environment Temp.:26.3°C CPU Temp.:33.5°C CPU Temp. after 3DMark:38.0°C 1.AIDA64 Cache and Memory Benchmark Ver.5.60.3700 READ:27413 MB/s WRITE:28325 MB/s COPY:24310 MB/s 2.PassMark PerformanceTest 8.0 build 1053 CPU Mark:4898 Memory Mark:2058 3.3DMark for Windows Ver.1.5.915 Cloud Gate:6303 Ice Storm:40372 Sky Diver:3787 Strike Test:812	Pass

