

1. Stability Test:

1.1 CPU Function Test:

Test Purpose	Test CPU functions work normally under Windows Operating System
Test Procedure	1. Install Windows operating system 2. Install M/B device drivers 3. Check CPU temperature in BIOS setup menu 4. Run PassMark BurnInTest and check CPU Temp. 5. Using CPU-Z check CPU info
Test Criteria	It should be correct for each test step

No.	CPU	Type	Idle CPU Temp.	Full Loading CPU Temp.	Result
1	Intel / 2.80GHz	Intel Core i7-7600U / (SR33Z)	48.5°C	61.0°C	Pass

1.1.1 Application Test:

No.	Software	Test Keypoint	Result
1	CPU-Z	1. Check all information.	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.5.97.4600 1 time 4. Run Passmark Performance Test 9.0 Build1029 1 time 5. Run 3DMark for Windows Ver.2.6.6238 BenchMark 3 times 6. S3/Hibernate Test 3 times
Test Criteria	It should be no problem for the test

1.2.1 DDR4:

No.	Function	Result
1	DDR4 DIMM Slot Examine	Pass
2	Dual channel mode	Pass
3	Warning beep sound when no memory install	Pass

1.2.2 Application Test:

No.	Software	Test Keypoint	Test Environment	Result
1	MemTest86 Ver.8.1 Pro	1. Stress test 24 hours.	DDR4: DDR4-2400-16384(2pcs-8GB)/Transcend-TS1GSH64V 4B-I/SEC-810- O.S.: DOS	Pass

1.2.3 DDR4 Approved List:

No.	Brand	Chip	Size	Type	Chip Model No.	Vendor Part No.	Result
1	Transcend	Samsung	8GB	PC4-19200 (DDR4-2400)	810 K4A8G085WB BCRC	TS1GSH64V4B-I	Pass

1.2.4 DDR4 Test Procedures:

No.	DDR4 Module	Test Procedures	Result
1	DDR4-2400(8GB) Transcend TS1GSH64V4B-I / Samsung 810 K4A8G085WB BCRC (DIMM-1/2) Dual Channel	Test Summary: AIDA64 Cache and Memory Benchmark(V5.97.460 0) READ:31075 MB/s WRITE:31987 MB/s COPY:27468 M /s Passmark PerformanceTest 9.0 Build 1023 CPU Mark:6045.4 Memory Mark:2829.5 3DMark for Windows(V 2.6.6238)3times Cloud Gate:7656 Ice Storm Extreme:51104 Skydiver: 4423 Fire Strike:1147	Pass