

1. Stability Test:

1.1 CPU Function Test:

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| 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 / 3.70GHz | Core i7-8700K (Coffeelake / SR3QR) / 95W / LGA1151 | 43.0°C | 60.0°C | Pass |
| 2 | Intel / 3.20GHz | Core i7-8700 (Coffeelake / QNML) / 65W / LGA1151 | 42.0°C | 67.0°C | Pass |
| 3 | Intel / 2.40GHz | Core i7-8700T (Coffeelake / QP4P) / 35W / LGA1151 | 37.0°C | 57.0°C | Pass |
| 4 | Intel / 3.00GHz | Core i5-8500 (Coffeelake / QP5J) / 65W / LGA1151 | 39.0°C | 50.0°C | Pass |
| 5 | Intel / 2.10GHz | Core i5-8500T (Coffeelake / QP5H) / 35W / LGA1151 | 35.0°C | 45.0°C | Pass |
| 6 | Intel / 3.60GHz | Core i3-8100 (Coffeelake / QP5K) / 65W / LGA1151 | 44.0°C | 47.0°C | Pass |
| 7 | Intel / 3.10GHz | Core i3-8100T (Coffeelake / QP5Q) / 35W / LGA1151 | 40.0°C | 44.0°C | Pass |
| 8 | Intel / 3.70GHz | Pentium G5400 (Coffeelake /SR3X9) / 58W / LGA1151 | 42.0°C | 46.0°C | Pass |
| 9 | Intel / 3.10GHz | Celeron G4900 (Coffeelake /SR3W4) / 54W / LGA1151 | 41.0°C | 46.0°C | Pass |
| 10 | Intel / 3.40GHz | Xeon E-2124G (Coffeelake /SR3WL) / 71W / LGA1151 | 44.0°C | 56.0°C | Pass |
| 11 | Intel / 3.70GHz | Xeon E-2176G (Coffeelake /QNT8) / 80W / LGA1151 | 41.0°C | 64.0°C | Pass |
| 12 | Intel / 3.60GHz | Core i7-9700K (Coffeelake /QQPK) / 95W / LGA1151 | 42.0°C | 57.0°C | Pass |
| 13 | Intel / 1.80GHz | Core i7-9700TE (Coffeelake /QSJN) / 35W / LGA1151 | 31.0°C | 43.0°C | Pass |
| 14 | Intel / 2.60GHz | Core i7-9700E (Coffeelake /QSJM) / 65W / LGA1151 | 35.0°C | 46.0°C | Pass |
| 15 | Intel / 3.10GHz | Core i3-9100E (Coffeelake /QSKA) / 65W / LGA1151 | 39.0°C | 48.0°C | Pass |
| 16 | Intel / 3.30GHz | Xeon E-2278GE (Coffeelake /QSJK) / 80W / LGA1151 | 45.0°C | 73.0°C | Pass |
| 17 | Intel / 2.00GHz | Xeon E-2278GEL (Coffeelake /QSJL) / 35W / LGA1151 | 36.0°C | 55.0°C | Pass |
| 18 | Intel / 3.60GHz | Core i9-9900K (Coffeelake /SRELS) / 95W / LGA1151 | 39.0°C | 69.0°C | Pass |

1.1.1 Application Test:

| No. | Software | Test Keypoint | Result |
|-----|------------------|---------------------------|--------|
| 1 | CPU-Z Ver.1.89.0 | 1. Check all information. | Pass |

1.2 Memory Function Test:

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| 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.6.00.5100 1 time 4. Run Passmark Performance Test 9.0 Build1031 1 time 5. Run 3DMark for Windows Ver.2.10.6771 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 | Single Channel mode | Pass |
| 3 | Dual Channel mode | Pass |
| 4 | Warning beep sound when no memory install | Pass |
| 5 | DIMM Slot1 | Pass |
| 6 | DIMM Slot2 | Pass |
| 7 | DIMM Slot3 | Pass |
| 8 | DIMM Slot4 | Pass |

1.2.2 Application Test:

| No. | Software | Test Keypoint | Test Environment | Result |
|-----|-----------------------|---------------------------|--|--------|
| 1 | MemTest86 Ver.8.2 Pro | 1. Burn-In test 24 hours. | DDR4: DDR4-2666(16GB) 78.D1GS7.4010B / Apacer/ Samsung SEC 801 K4A8G085WB BCTD (DR050-1/2/3/4) (DIMM-1/2/3/4) DUAL Channel O.S.: EFI Shell | Pass |
| 2 | MemTest86 Ver.8.2 Pro | 1. Burn-In test 24 hours. | DDR4: DDR4-2666(16GB) ADATA AD4E2666316G19-BSSC / Samsung SEC 843 K4A8G085WC BCTD (DR066-1/2/3/4) (ECC) (DIMM-1/2/3/4) DUAL Channel O.S.: EFI Shell | Pass |

1.2.3 DDR4 Approved List:

| No. | Brand | Chip | Size | Type | Chip Model No. | Vendor Part No. | Result |
|-----|-----------|---------|------|-----------------------|-------------------------|---------------------------|--------|
| 1 | DSL | Samsung | 32GB | DDR4-2666 | SEC 913 K4AAG085WA BCTD | D4US2G082SH26A-C | Pass |
| 2 | Innodisk | Samsung | 8GB | DDR4-2666 | K4A4G085WE BCTD | M4U0-8GSSKCIK | Pass |
| 3 | Apacer | Samsung | 16GB | DDR4-2666 | K4A8G085WB BCTD | 78.D1GS7.4010B | Pass |
| 4 | Innodisk | Samsung | 4GB | DDR4-2666 | K4A4G085WE BCTD | M4U0-4GSSJCIK | Pass |
| 5 | Transcend | Samsung | 8GB | PC4-19200 (DDR4-2400) | SEC-K4A4G085WE-BCRC | TS1GLH64V4H | Pass |
| 6 | Transcend | Samsung | 16GB | DDR4-2666 | K4A8G085WC BCTD | TS2GLH64V6B | Pass |
| 7 | Transcend | Samsung | 8GB | DDR4-2666 | K4A8G085WC BCTD | TS1GLH64V6B | Pass |
| 8 | Transcend | Samsung | 8GB | DDR4-2666 | K4A8G085WC BCTD | TS1GLH64V6B | Pass |
| 9 | Innodisk | Samsung | 8GB | DDR4-2666 | SEC 807 K4A8G085WC BCTD | M4U0-8GS1JCIK | Pass |
| 10 | Apacer | Samsung | 8GB | DDR4-2666 | K4A8G085WB BCTD | 78.C1GS7.40F0B | Pass |
| 11 | Apacer | Samsung | 4GB | DDR4-2666 | K4A4G085WE BCTD | 78.B1GS6.40F0B | Pass |
| 12 | ADATA | Samsung | 16GB | DDR4-2666 | SEC 843 K4A8G085WC BCTD | AD4E2666316G19-BSSC (ECC) | Pass |

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|-----------|-----------|---------|------|--------------------------|-----------------|---------------------------|-------------|
| 13 | Innodisk | Samsung | 4GB | DDR4-2666 | K4A4G085WE BCTD | M4C0-4GSSLCIK (ECC) | Pass |
| 14 | Transcend | Samsung | 8GB | DDR4-2666 | K4A8G085WC BCTD | TS1GLH72V6B (ECC) | Pass |
| 15 | ADATA | Hynix | 16GB | PC4-19200 (DDR4-2400) | H5AN8G8NAFR UHC | AD4E2400316G17-BHYA (ECC) | Pass |
| 16 | Transcend | Samsung | 8GB | PC4-19200 (DDR4-2133) | K4A4G085WE BCRC | TS1GLH72V1H (ECC) | Pass |

1.2.4 DDR4 Module Test Procedures:

| No. | DDR4 Module | Test Environment | Result |
|----------|---|---|-------------|
| 1 | DDR4-2666(32GB) DSL D4US2G082SH26A-C/ Samsung SEC 913 K4AAG085WA BCTD (DIMM-1/2/3/4) DUAL Channel | M/B: CS631-Q370CRM Rev.A (0A2) (BMJ200100035) CPU: Intel Core i9-9900K 3.60GHz (SRELS) DIMM Slot: DIMM-1/2/3/4 DUAL Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) DUAL CHANNEL(DIMM-1/2/3/4) READ:37971 MB/s WRITE:40616 MB/s COPY:38788 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:20812.3 Memory Mark:3359.9 3DMark for Windows(V 2.10.6771)3times Cloud Gate:13267 Ice Storm Extreme:53820 Skydiver: 5544 Fire Strike:1388 | Pass |
| 2 | DDR4-2666(8GB) Innodisk M4U0-8GSSKCIK/ Samsung SEC 825 K4A4G085WE BCTD | M/B: CS631-Q370CRM Rev.A (0A2) (BMJ200100035) CPU: Intel Core i7-8700K 3.70GHz (SR3QR) DIMM Slot: DIMM-1/2/3 DUAL Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) DUAL CHANNEL(DIMM-1/2/3) READ:38372 MB/s WRITE:40731 MB/s COPY:38136 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:16844.6 Memory Mark:3353.7 3DMark for Windows(V 2.10.6771)3times Cloud Gate:12390 Ice Storm Extreme:53977 Skydiver: 5617 Fire Strike:1398 | Pass |
| 3 | DDR4-2666(16GB) 78.D1GS7.4010B / Apacer/ Samsung SEC 801 K4A8G085WB BCTD | M/B: CS631-Q370CRM Rev.A (0A2) (BMJ200100035) CPU: Intel Core i7-8700 3.20GHz (QNML) DIMM Slot: DIMM-1/3 DUAL Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) DUAL CHANNEL(DIMM-1/3) READ:39318 MB/s WRITE:40523 MB/s COPY:38075 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:16720.1 Memory Mark:3370.1 3DMark for Windows(V 2.10.6771)3times Cloud Gate:12330 Ice Storm Extreme:53208 Skydiver: 5572 Fire Strike:1383 | Pass |
| 4 | DDR4-2666(4GB) Innodisk M4U0-4GSSJCIK/ Samsung SEC 807 K4A4G085WE BCTD | M/B: CS631-Q370CRM Rev.A (0A2) (BMJ200100035) CPU: Intel Core i7-8700T 2.40GHz (QP4P) DIMM Slot: DIMM-2/4 DUAL Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) DUAL CHANNEL(DIMM-2/4) READ:38749 MB/s WRITE:38923 MB/s COPY:34130 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:13906.5 Memory Mark:2828.5 3DMark for Windows(V 2.10.6771)3times Cloud Gate:11785 Ice Storm Extreme:52604 Skydiver: 5480 Fire Strike:1363 | Pass |

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| 5 | PC4-19200 (DDR4-2400) / Transcend-TS1GLH64V4H / SEC-K4A4G085WE-BCRC / 8GB*2 (NON ECC). | M/B: CS631-Q370CRM Rev.A (0A2) (BMJ200100035) CPU: Intel Core i5-8500 3.00GHz (QP5J) DIMM Slot: DIMM-1/2 SINGLE Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) SINGLE CHANNEL(DIMM-1/2) READ:18788 MB/s WRITE:18263 MB/s COPY:18404 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:11699.0 Memory Mark:2508.8 3DMark for Windows(V 2.10.6771)3times Cloud Gate:9310 Ice Storm Extreme:47654 Skydiver: 4709 Fire Strike:1103 | Pass |
| 6 | DDR4-2666(16GB) Transcend TS2GLH64V6B/ Samsung SEC 822 K4A8G085WC BCTD | M/B: CS631-Q370CRM Rev.A (0A2) (BMJ200100035) CPU: Intel Core i5-8500T 2.10GHz (QP5H) DIMM Slot: DIMM-3/4 SINGLE Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) SINGLE CHANNEL(DIMM-3/4) READ:20144 MB/s WRITE:20203 MB/s COPY:18963 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:10298.3 Memory Mark:2496.7 3DMark for Windows(V 2.10.6771)3times Cloud Gate:9074 Ice Storm Extreme:47178 Skydiver: 4776 Fire Strike:1121 | Pass |
| 7 | DDR4-2666(8GB) Transcend TS1GLH64V6B/ Samsung SEC 740 K4A8G085WC BCTD | M/B: CS631-Q370CRM Rev.A (0A2) (BMJ200100035) CPU: Intel Core i3-8100 3.60GHz (QP5K) DIMM Slot: DIMM-1 SINGLE Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) SINGLE CHANNEL(DIMM-1) READ:17992 MB/s WRITE:17420 MB/s COPY:17265 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:8069.8 Memory Mark:2209.1 3DMark for Windows(V 2.10.6771)3times Cloud Gate:7845 Ice Storm Extreme:41546 Skydiver: 4363 Fire Strike:1017 | Pass |
| 8 | DDR4-2666(8GB) Transcend TS1GLH64V6B/ Samsung SEC 834 K4A8G085WC BCTD | M/B: CS631-Q370CRM Rev.A (0A2) (BMJ200100035) CPU: Intel Core i3-8100T 3.10GHz (QP5Q) DIMM Slot: DIMM-2 SINGLE Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) SINGLE CHANNEL(DIMM-2) READ:17860 MB/s WRITE:17635 MB/s COPY:17350 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:7061.7 Memory Mark:2082.1 3DMark for Windows(V 2.10.6771)3times Cloud Gate:7845 Ice Storm Extreme:41546 Skydiver: 4363 Fire Strike:1017 | Pass |

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| 9 | DDR4-2666(8GB) Innodisk M4U0-8GS1JCIK/ Samsung SEC 807 K4A8G085WC BCTD | M/B: CS631-Q370CRM Rev.A (0A2) (BMJ200100035) CPU: Intel Celeron G4900 3.10GHz (SR3W4) DIMM Slot: DIMM-3 SINGLE Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) SINGLE CHANNEL(DIMM-3) READ:17588 MB/s WRITE:17844 MB/s COPY:16864 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:3335.5 Memory Mark:2019.7 3DMark for Windows(V 2.10.6771)3times Cloud Gate:4571 Ice Storm Extreme:24964 Skydiver: 2658 Fire Strike:660 | Pass |
| 10 | DDR4-2666(8GB) CL19 / Apacer/ Samsung SEC 813 K4A8G085WB BCTD | M/B: CS631-Q370CRM Rev.A (0A2) (BMJ200100035) CPU: Intel Pentium Gold G5400 3.70GHz (SR3X9) DIMM Slot: DIMM-4 SINGLE Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) SINGLE CHANNEL(DIMM-4) READ:17486 MB/s WRITE:17774 MB/s COPY:17340 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:5276.8 Memory Mark:2207.6 3DMark for Windows(V 2.10.6771)3times Cloud Gate:5784 Ice Storm Extreme:27817 Skydiver: 2803 Fire Strike:682 | Pass |
| 11 | DDR4-2666(4GB) CL19 / Apacer/ Samsung SEC 737 K4A4G085WE BCTD | M/B: CS631-Q370CRM Rev.A (0A2) (BMJ200100035) CPU: Intel Core i7-9700TE 1.80GHz (QJSJN) DIMM Slot: DIMM-1/2/3/4 DUAL Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) DUAL CHANNEL(DIMM-1/2/3/4) READ:37869 MB/s WRITE:40192 MB/s COPY:37153 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:14391.2 Memory Mark:2953.6 3DMark for Windows(V 2.10.6771)3times Cloud Gate:11595 Ice Storm Extreme:53046 Skydiver: 5387 Fire Strike:1359 | Pass |
| 12 | DDR4-2666(16GB) 78.D1GS7.4010B / Apacer/ Samsung SEC 801 K4A8G085WB BCTD | M/B: CS631-Q370CRM Rev.A (0A2) (BMJ200100035) CPU: Intel Core i7-9700E 2.60GHz (QJSJM) DIMM Slot: DIMM-1/2/3/4 DUAL Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) DUAL CHANNEL(DIMM-1/2/3/4) READ:38670 MB/s WRITE:40501 MB/s COPY:38375 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:16554.1 Memory Mark:3329.5 3DMark for Windows(V 2.10.6771)3times Cloud Gate:12038 Ice Storm Extreme:54540 Skydiver: 5457 Fire Strike:1360 | Pass |

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| 13 | DDR4-2666(16GB) 78.D1GS7.4010B / Apacer/ Samsung SEC 801 K4A8G085WB BCTD | M/B: CS631-Q370CRM Rev.A (0A2) (BMJ200100035) CPU: Intel Core i3-9100E 3.10GHz (QSKA) DIMM Slot: DIMM-1/2/3/4 DUAL Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) DUAL CHANNEL(DIMM-1/2/3/4) READ:33996 MB/s WRITE:36607 MB/s COPY:34051 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:9010.9 Memory Mark:3037.3 3DMark for Windows(V 2.10.6771)3times Cloud Gate:9029 Ice Storm Extreme:49228 Skydiver: 4703 Fire Strike:1167 | Pass |
| 14 | DDR4-2666(16GB) 78.D1GS7.4010B / Apacer/ Samsung SEC 801 K4A8G085WB BCTD | M/B: CS631-Q370CRM Rev.A (0A2) (BMJ200100035) CPU: Intel Core i7-9700K 3.60GHz (QQPK) DIMM Slot: DIMM-1/2/3/4 DUAL Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) DUAL CHANNEL(DIMM-1/2/3/4) READ:37480 MB/s WRITE:40848 MB/s COPY:38631 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:18520.8 Memory Mark:3492.8 3DMark for Windows(V 2.10.6771)3times Cloud Gate:12572 Ice Storm Extreme:55230 Skydiver: 5598 Fire Strike:1392 | Pass |
| 15 | DDR4-2666(16GB) ADATA AD4E2666316G19-BSSC / Samsung SEC 843 K4A8G085WC BCTD (ECC) | M/B: CS631-C246CRM Rev.A (0A2) (BMJ200200002) CPU: Intel Xeon E-2278GE 3.30GHz (QSJK) DIMM Slot: DIMM-1/2/3/4 DUAL Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) DUAL CHANNEL(DIMM-1/2/3/4) READ:37323 MB/s WRITE:41213 MB/s COPY:38993 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:19443.2 Memory Mark:3292.4 3DMark for Windows(V 2.9.6631)3times Cloud Gate:12612 Ice Storm Extreme:53071 Skydiver: 5622 Fire Strike:1391 | Pass |
| 16 | DDR4-2666(4GB) Innodisk M4C0-4GSSLCIK/ Samsung SEC 825 K4A4G085WE BCTD (ECC) | M/B: CS631-C246CRM Rev.A (0A2) (BMJ200200002) CPU: Intel Xeon E-2278GEL 2.00GHz (QSJL) DIMM Slot: DIMM-1/2/3 DUAL Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) DUAL CHANNEL(DIMM-1/2/3) READ:37430 MB/s WRITE:33403 MB/s COPY:32803 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:15100.8 Memory Mark:2646.0 3DMark for Windows(V 2.9.6631)3times Cloud Gate:11889 Ice Storm Extreme:52839 Skydiver: 5413 Fire Strike:1322 | Pass |

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| 17 | DDR4-2666(8GB) Transcend TS1GLH72V6B / Samsung SEC 913 K4A8G085WC BCTD (ECC) | M/B: CS631-C246CRM Rev.A (0A2) (BMJ200200002) CPU: Intel Xeon E-2176G 3.70GHz (QNT8) DIMM Slot: DIMM-1/3 DUAL Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) DUAL CHANNEL(DIMM-1/3) READ:38156 MB/s WRITE:38774 MB/s COPY:34087 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:16077.8 Memory Mark:3210.4 3DMark for Windows(V 2.9.6631)3times Cloud Gate:11488 Ice Storm Extreme:53105 Skydiver: 5348 Fire Strike:1292 | Pass |
| 18 | DDR4-2666(16GB) ADATA AD4E2666316G19-BSSC / Samsung SEC 843 K4A8G085WC BCTD (ECC) | M/B: CS631-C246CRM Rev.A (0A2) (BMJ200200002) CPU: Intel Xeon E-2124G 3.40GHz (SR3WL) DIMM Slot: DIMM-2/4 DUAL Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) DUAL CHANNEL(DIMM-2/4) READ:38406 MB/s WRITE:40367 MB/s COPY:36516 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:10208.6 Memory Mark:3289.2 3DMark for Windows(V 2.9.6631)3times Cloud Gate:9457 Ice Storm Extreme:53597 Skydiver: 5041 Fire Strike:1248 | Pass |
| 19 | PC4-19200 (DDR4-2400) ADATA AD4E2400316G17-BHYA / SK Hynix H5AN8G8NAFR UHC /16GB*4 (ECC) (DIMM-1/2/3/4) DUAL Channel | M/B: CS631-C246CRM Rev.A (0A2) (BMJ200200002) CPU: Intel Xeon E-2278GE 3.30GHz (QSJK) DIMM Slot: DIMM-1/2/3/4 DUAL Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) DUAL CHANNEL(DIMM-1/2/3/4) READ:34960 MB/s WRITE:37485 MB/s COPY:34450 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:18752.2 Memory Mark:3210.4 3DMark for Windows(V 2.9.6631)3times Cloud Gate:12534 Ice Storm Extreme:53063 Skydiver: 5601 Fire Strike:1380 | Pass |
| 20 | DDR4-2666(8GB) Transcend TS1GLH72V6B / Samsung SEC 913 K4A8G085WC BCTD (ECC) | M/B: CS631-C246CRM Rev.A (0A2) (BMJ200200002) CPU: Intel Xeon E-2278GE 3.30GHz (QSJK) DIMM Slot: DIMM-1/2 SINGLE Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) SINGLE CHANNEL(DIMM-1/2) READ:21519 MB/s WRITE:20232 MB/s COPY:23262 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:15608.2 Memory Mark:2697.3 3DMark for Windows(V 2.9.6631)3times Cloud Gate:11437 Ice Storm Extreme:50440 Skydiver: 5232 Fire Strike:1237 | Pass |

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| 21 | DDR4-2666(16GB) ADATA AD4E2666316G19-BSSC / Samsung SEC 843 K4A8G085WC BCTD (ECC) | M/B: CS631-C246CRM Rev.A (0A2) (BMJ200200002) CPU: Intel Xeon E-2278GE 3.30GHz (QSJK) DIMM Slot: DIMM-3/4 SINGLE Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) SINGLE CHANNEL(DIMM-3/4) READ:21947 MB/s WRITE:20463 MB/s COPY:22863 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:15849.4 Memory Mark:2770.7 3DMark for Windows(V 2.9.6631)3times Cloud Gate:11460 Ice Storm Extreme:50745 Skydiver: 5242 Fire Strike:1247 | Pass |
| 22 | DDR4-2666(4GB) Innodisk M4C0-4GSSLCIK/ Samsung SEC 825 K4A4G085WE BCTD (ECC) | M/B: CS631-C246CRM Rev.A (0A2) (BMJ200200002) CPU: Intel Xeon E-2278GE 3.30GHz (QSJK) DIMM Slot: DIMM-1 SINGLE Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) SINGLE CHANNEL(DIMM-1) READ:21496 MB/s WRITE:19767 MB/s COPY:22001 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:14554.6 Memory Mark:2055.5 3DMark for Windows(V 2.9.6631)3times Cloud Gate:11129 Ice Storm Extreme:49923 Skydiver: 5115 Fire Strike:1203 | Pass |
| 23 | DDR4-2666(8GB) Transcend TS1GLH72V6B / Samsung SEC 913 K4A8G085WC BCTD (ECC) | M/B: CS631-C246CRM Rev.A (0A2) (BMJ200200002) CPU: Intel Xeon E-2278GE 3.30GHz (QSJK) DIMM Slot: DIMM-2 SINGLE Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) SINGLE CHANNEL(DIMM-2) READ:21181 MB/s WRITE:18816 MB/s COPY:19532 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:14755.7 Memory Mark:2460.0 3DMark for Windows(V 2.9.6631)3times Cloud Gate:11118 Ice Storm Extreme:49704 Skydiver: 5080 Fire Strike:1196 | Pass |
| 24 | DDR4-2666(16GB) ADATA AD4E2666316G19-BSSC / Samsung SEC 843 K4A8G085WC BCTD (ECC) | M/B: CS631-C246CRM Rev.A (0A2) (BMJ200200002) CPU: Intel Xeon E-2278GE 3.30GHz (QSJK) DIMM Slot: DIMM-3 SINGLE Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) SINGLE CHANNEL(DIMM-3) READ:22033 MB/s WRITE:20229 MB/s COPY:23112 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:15724.1 Memory Mark:2704.8 3DMark for Windows(V 2.9.6631)3times Cloud Gate:11480 Ice Storm Extreme:50464 Skydiver: 5213 Fire Strike:1249 | Pass |

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| 25 | PC4-17000 (DDR4-2133) Transcend TS1GLH72V1H / Samsung SEC 719 K4A4GO85WE BCRC /8GB*1 (ECC) | M/B: CS631-C246CRM Rev.A (0A2) (BMJ200200002) CPU: Intel Xeon E-2278GE 3.30GHz (QSJK) DIMM Slot: DIMM-4 SINGLE Channel Test Summary: AIDA64 Cache and Memory Benchmark(V6.00.5100) SINGLE CHANNEL(DIMM-4) READ:18261 MB/s WRITE:16471 MB/s COPY:18159 MB/s Passmark PerformanceTest 9.0 Build 1031 CPU Mark:14539.7 Memory Mark:2290.6 3DMark for Windows(V 2.9.6631)3times Cloud Gate:11006 Ice Storm Extreme:48644 Skydiver: 5052 Fire Strike:1180 | Pass |
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