



Advanced Validation Labs, Inc.

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| Intel PCSD Server Memory Compatibility Test Certificate | |
|---|--------------------------|
| Test System: Intel S2600JF (Jefferson Pass) | Test Result: Pass |

Leveraged System(s): N/A

Module Information

| DIMM Vendor | DIMM Part Number | Type | Voltage | Size | Config. | Speed | CL | R/C | Rank |
|-------------|------------------|----------------------------------|-----------|------|------------------------|-------|------------------|-----|------|
| Kingston | KVR16LE11S8/4I | UDIMM ECC | 1.35V | 4GB | 512Mx72 | 1600 | 11 | D | SR |
| DRAM Vendor | DRAM Part Number | DRAM Density / Width / Date Code | | | Register Vendor / Rev. | | DIMM Composition | | |
| Hynix | H5TC4G83DFR-PBA | 4Gb | 512Mx8bit | 1637 | | | (512Mx8)*72 | | |

Leveraged Memory Modules

| Vendor | Type | Voltage | CL | Speed |
|--------|------|---------|----|-------|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |

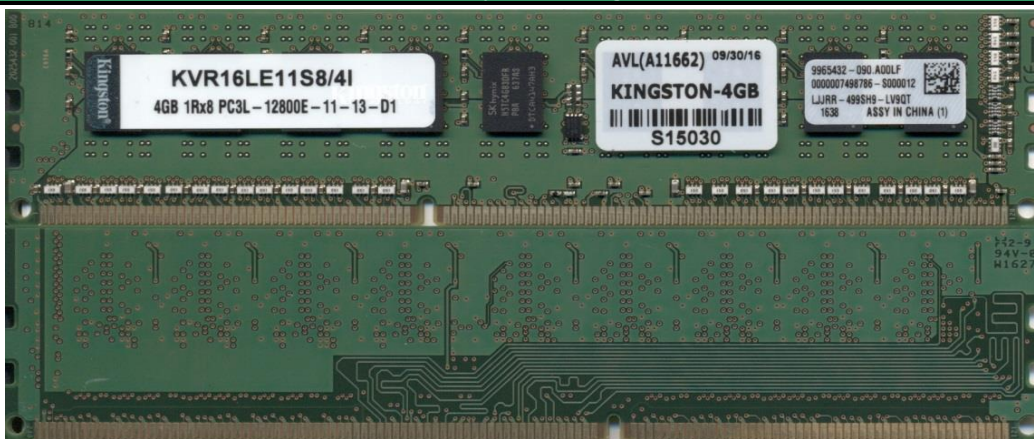
System Configuration

| SETUP | System #1 | System #2 |
|------------------|---|--------------|
| AVL S/N | SR4140 | SN5652 |
| System S/N | QSJP13704142 | QSJP13704121 |
| Board Rev. (PBA) | G28033-501 | |
| CPU Type | E5-2695 v2 / 2.4 GHz | |
| Chipset | Intel C602 | |
| BIOS / Date | 02.03.0003 / 04/19/2014 | |
| BMC / ME | 01.21.6038 / 02.01.07.328 | |
| FUR/SDR | 1.12 | |
| OS | Windows 2008 Enterprise R2 64bit SP1 | |
| Test Tool | iVVSS 2.6.5, SELViewer, Pvmode2, Syscfg, WinPIRA, MemPuller | |

Testing Summary

| Test Items | Test Description | Test Results |
|--|--|-----------------------|
| 1. Latest BIOS Upgrade & Configuration check | Record memory Size and Speed detection from BIOS | Done |
| 2. SPD Check | DIMM SPD content check for JEDEC compliance | Pass |
| 3. Memory Stress | Test for 6 hours @ Max and Min Loading | HVDD Hot Pass |
| 4. Memory Stress | | HVDD Cold Pass |
| 5. Memory Stress | | LVDD Hot Pass |
| 6. Memory Stress | | LVDD Cold Pass |
| Note: | | |

Memory Module Image



AVL USE ONLY:

| | | | |
|---------------------------------|------------------------------------|----------------------|-----------------------|
| Completed by: Andy Chang | Completion Date: 11/21/2016 | AVL A# A11662 | AVL W/O WD6990 |
| Comments: | | | |

Test Results

| 4C | | | | | |
|-----------------|--------|-----------|---|---|---|
| Maximum Loading | | | | | |
| Start Date | | 11/4/2016 | | | |
| DIMM Voltage | | 1.5v | | | |
| DIMM | S/N | A | B | C | D |
| CPU1 A1 | S15032 | P | P | P | P |
| CPU1 B1 | S15033 | P | P | P | P |
| CPU1 C1 | S15034 | P | P | P | P |
| CPU1 D1 | S15035 | P | P | P | P |
| CPU2 E1 | S15036 | P | P | P | P |
| CPU2 F1 | S15037 | P | P | P | P |
| CPU2 G1 | S15038 | P | P | P | P |
| CPU2 H1 | S15039 | P | P | P | P |



| 4C | | | | | |
|-----------------|--------|-----------|---|---|---|
| Maximum Loading | | | | | |
| Start Date | | 11/4/2016 | | | |
| DIMM Voltage | | 1.35v | | | |
| DIMM | S/N | E | F | G | H |
| CPU1 A1 | S15032 | P | P | P | P |
| CPU1 B1 | S15033 | P | P | P | P |
| CPU1 C1 | S15034 | P | P | P | P |
| CPU1 D1 | S15035 | P | P | P | P |
| CPU2 E1 | S15036 | P | P | P | P |
| CPU2 F1 | S15037 | P | P | P | P |
| CPU2 G1 | S15038 | P | P | P | P |
| CPU2 H1 | S15039 | P | P | P | P |

