



Advanced Validation Labs, Inc.

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| Intel PCSD Server Memory Compatibility Test Certificate | |
|---|--------------------------|
| Test System: Intel S7200AP (Adams Pass) | Test Result: Pass |

Leveraged System(s): HNS7200AP,HNS7200APL,S7200AP,S7200APF,S7200APL

| Modules Information | | | | | | | | | |
|---------------------|------------------|----------------------------------|------------|------|------------------------|-------|------------------|-----|------|
| DIMM Vendor | DIMM Part Number | Type | Voltage | Size | Config. | Speed | CL | R/C | Rank |
| Kingston | KSM26RS4/16HCL | RDIMM | 1.2V | 16GB | 2Gx72 | 2666 | 19 | C | SR |
| DRAM Vendor | DRAM Part Number | DRAM Density / Width / Date Code | | | Register Vendor / Rev. | | DIMM Composition | | |
| SK Hynix | H5AN8G4NCJR-WMC | 8Gb | 2048Mx4bit | 1911 | IDT | B1 | (2048Mx4)*72 | | |

| System Configuration | | |
|----------------------|----------------------------|---------------------|
| SETUP | System #1 | System #2 |
| AVL S/N | S22021 | S22020 |
| System S/N | QSAD63905310 / Low | QSAD63905435 / High |
| Board Rev. (PBA) | G94286-304 | |
| CPU Type | Xeon PHI 7250 / 1.4 GHz | |
| Chipset | C612 | |
| BIOS | 01.02.0041 | |
| BMC / ME | 01.01.10452 / 03.01.03.018 | |
| FUR/SDR | 1.25 | |
| OS | Linux CentOS 7.3 | |
| Test Tool | iLvss, MCELog | |

| 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 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: | 07/19/2019 | AVL A# | U191276 | AVL W/O | WF2685 |
| Comments: | | | | | | | |

Test Results

| 4C Maximum Loading | | | | | | |
|--------------------|-----------|---|---|---|---|---|
| Start Date | 7/15/2019 | | | | | |
| DIMM Voltage | 1.22v | | | | | |
| DIMM VPP | 2.64v | | | | | |
| DIMM | S/N | A | B | C | D | |
| CPU1 A1 | 76-004 | P | P | P | P | P |
| CPU1 B1 | 76-005 | P | P | P | P | P |
| CPU1 C1 | 76-006 | P | P | P | P | P |
| CPU1 D1 | 77-004 | P | P | P | P | P |
| CPU2 E1 | 77-005 | P | P | P | P | P |
| CPU2 F1 | 77-006 | P | P | P | P | P |

| 4C Maximum Loading | | | | | | | |
|--------------------|-----------|---|---|---|---|---|---|
| Start Date | 7/15/2019 | | | | | | |
| DIMM Voltage | 1.16v | | | | | | |
| DIMM VPP | 2.422v | | | | | | |
| DIMM | S/N | E | F | G | H | | |
| CPU1 A1 | 76-001 | P | P | P | P | P | P |
| CPU1 B1 | 76-002 | P | P | P | P | P | P |
| CPU1 C1 | 76-003 | P | P | P | P | P | P |
| CPU1 D1 | 77-001 | P | P | P | P | P | P |
| CPU2 E1 | 77-002 | P | P | P | P | P | P |
| CPU2 F1 | 77-003 | P | P | P | P | P | P |