



Advanced Validation Labs, Inc.
17665B Newhope Street, Fountain Valley, CA 92708 (714) 435-2630



Intel PCSD Server Memory Compatibility Test Certificate

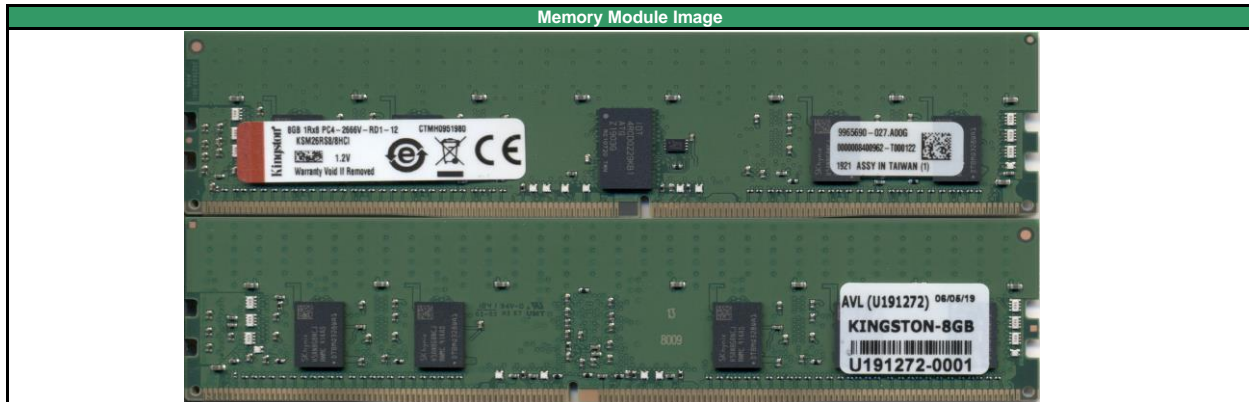
Test System: **Intel S2600WT (Wildcat Pass)** Test Result: **Pass**

Leveraged System(s): MCB2208WAF4, MCB2208WAF5, MCB2312WHY2, R1208WT2GSR, R1208WTTGS, R1208WTxxx, R1280WTTGSSPP, R1304WT2GS, R1304WT2GSR, R1304WTTGS, R1304WTxxx, R2000WTxxx, R1304WTTGSR, R2208WT2YS, R2208WT2YSR, R2208WTTTC1, R2208WTTTC1R, R2208WTTYS, R2208WTTYSR, R2224WTTYS, R2224WTTYSR, R2308WTTGS, R2308WTTYS, R2308WTTYSR, R2312WTTYS, R2312WTTYSR, R2312WTxxx, S2600WT, S2600WT2, S2600WT2R, S2600WTT, S2600WTTTR, S2600WTTTS1R

Modules Information									
DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KSM26RS8/8HCI	RDIMM	1.2V	8GB	1Gx72	2666	19	D	SR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code	Register Vendor / Rev.	DIMM Composition					
SK Hynix	H5AN8G8NCJR-WMC	8Gb	1024Mx8bit	1914	IDT	B1	(1024Mx8)*72		

System Configuration		
SETUP	System #1	System #2
AVL S/N	SV2346	SV2347
System S/N	BQWL42200131 / LVPP	BQWL42200377 / HVPP
Board Rev. (PBA)	G92187-300	
CPU Type	E5-2690 v4 / 2.60 GHz	
Chipset	C610	
BIOS	01.01.0028	
BMC / ME	01.56 / 051	
FUR/SDR	1.18	
OS	Windows Server 2012 R2	
Test Tool	iVWSS 2.7.0, SELViewer, Syscfg, WinPIRA	

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/HVPP Hot Pass
4. Memory Stress		HVDD/HVPP Cold Pass
5. Memory Stress		LVDD/LVPP Hot Pass
6. Memory Stress		LVDD/LVPP Cold Pass
6. Power Cycle	Test each corner for 50 cycle in room temp	Pass



AVL USE ONLY:						
Completed by:	Andy Chang	Completion Date:	12/12/2019	AVL A#	U191272	AVL W/O
Comments:						

Test Results																	
4C Minimum Loading					4C Middle Loading					4C Maximum Loading							
Start Date: 11/4/2019					Start Date: 11/04/19					Start Date: 11/4/2019							
DIMM Voltage: 1.22v / 1.16v					DIMM Voltage: 1.22v / 1.16v					DIMM Voltage: 1.22v							
DIMM VPP: 2.64v / 2.422v					DIMM VPP: 2.64v / 2.422v					DIMM VPP: 2.64v / 2.422v							
DIMM	S/N	A	B	C	D	DIMM	S/N	A	B	C	D	DIMM	S/N	A	B	C	D
CPU1 A1	72-021	P	P	P	P	CPU1 A1	72-013	P	P	P	P	CPU1 A1	72-001	P	P	P	P
CPU1 A2						CPU1 A2	72-014	P	P	P	P	CPU1 A2	72-002	P	P	P	P
CPU1 A3						CPU1 A3						CPU1 A3	72-003	P	P	P	P
CPU1 B1	72-022	P	P	P	P	CPU1 B1	72-015	P	P	P	P	CPU1 B1	72-004	P	P	P	P
CPU1 B2						CPU1 B2	72-016	P	P	P	P	CPU1 B2	72-005	P	P	P	P
CPU1 B3						CPU1 B3						CPU1 B3	72-006	P	P	P	P
CPU1 C1	72-023	P	P	P	P	CPU1 C1	72-017	P	P	P	P	CPU1 C1	72-007	P	P	P	P
CPU1 C2						CPU1 C2	72-018	P	P	P	P	CPU1 C2	72-008	P	P	P	P
CPU1 C3						CPU1 C3						CPU1 C3	72-009	P	P	P	P
CPU1 D1	72-024	P	P	P	P	CPU1 D1	72-019	P	P	P	P	CPU1 D1	72-010	P	P	P	P
CPU1 D2						CPU1 D2	72-020	P	P	P	P	CPU1 D2	72-011	P	P	P	P
CPU1 D3						CPU1 D3						CPU1 D3	72-012	P	P	P	P
CPU2 E1	73-021	P	P	P	P	CPU2 E1	73-013	P	P	P	P	CPU2 E1	73-001	P	P	P	P
CPU2 E2						CPU2 E2	73-014	P	P	P	P	CPU2 E2	73-002	P	P	P	P
CPU2 E3						CPU2 E3						CPU2 E3	73-003	P	P	P	P
CPU2 F1	73-022	P	P	P	P	CPU2 F1	73-015	P	P	P	P	CPU2 F1	73-004	P	P	P	P
CPU2 F2						CPU2 F2	73-016	P	P	P	P	CPU2 F2	73-005	P	P	P	P
CPU2 F3						CPU2 F3						CPU2 F3	73-006	P	P	P	P
CPU2 G1	73-023	P	P	P	P	CPU2 G1	73-017	P	P	P	P	CPU2 G1	73-007	P	P	P	P
CPU2 G2						CPU2 G2	73-018	P	P	P	P	CPU2 G2	73-008	P	P	P	P
CPU2 G3						CPU2 G3						CPU2 G3	73-009	P	P	P	P
CPU2 H1	73-024	P	P	P	P	CPU2 H1	73-019	P	P	P	P	CPU2 H1	73-010	P	P	P	P
CPU2 H2						CPU2 H2	73-020	P	P	P	P	CPU2 H2	73-011	P	P	P	P
CPU2 H3						CPU2 H3						CPU2 H3	73-012	P	P	P	P
AC Power Cycling					AC Power Cycling					AC Power Cycling							
50 AC Cycles/corner					50 AC Cycles/corner					50 AC Cycles/corner							