



Advanced Validation Labs, Inc.
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Intel PCSD Server Memory Compatibility Test Certificate

Test System:	Intel S2600WT (Wildcat Pass)	Test Result:	Pass
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Leveraged System(s): MCB2208WAF4, MCB2208WAF5, MCB2312WHY2, R1208WT2GSR, R1208WTTGS, R1208WTxxx, R1208WTTGSR, R1280WTTGSSPP, R1304WT2GS, R1304WT2GSR, R1304WTTGS, R1304WTxxx, R2000WTxxx, R1304WTTGSR, R2208WT2YS, R2208WT2YSR, R2208WTTTC1, R2208WTTTC1R, R2208WTTYS, R2208WTTYSR, R2244WTTYSR, R2244WTTYSR, R2308WTTGS, R2308WTTYS, R2308WTTYSR, R2312WTTYS, R2312WTTYSR, R2312WTxxx, S2600WT, S2600WT2, S2600WT2R, S2600WTT, S2600WTTT, S2600WTTT1R

Modules Information									
DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KSM24RS8/8HCI	RDIMM	1.2V	8GB	1Gx72	2400	17	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	C0	(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	01.01.0024	
BMC / ME	01.50.10802 / 03.01.03.043	
FUR/SDR	1.17	
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

Note:

Memory Module Image



AVL USE ONLY:							
Completed by:	Andy Chang	Completion Date:	02/03/2020	AVL A#	U191264	AVL W/O	WF2577

Comments:

Test Results

4C Minimum Loading						
Start Date	1/27/2020					
DIMM Voltage	1.22v / 1.16v					
DIMM VPP	2.64v / 2.422v					
DIMM	S/N	A	B	C	D	
CPU1 A1	64-021	P	P	P	P	
CPU1 A2						
CPU1 A3						
CPU1 B1	64-022	P	P	P	P	
CPU1 B2						
CPU1 B3						
CPU1 C1	64-023	P	P	P	P	
CPU1 C2						
CPU1 C3						
CPU1 D1	64-024	P	P	P	P	
CPU1 D2						
CPU1 D3						
CPU2 E1	65-012	P	P	P	P	
CPU2 E2						
CPU2 E3						
CPU2 F1	65-022	P	P	P	P	
CPU2 F2						
CPU2 F3						
CPU2 G1	65-023	P	P	P	P	
CPU2 G2						
CPU2 G3						
CPU2 H1	65-024	P	P	P	P	
CPU2 H2						
CPU2 H3						
AC Power Cycling						
50 AC Cycles/corner						

4C Middle Loading						
Start Date	01/17/20					
DIMM Voltage	1.22v / 1.16v					
DIMM VPP	2.64v / 2.422v					
DIMM	S/N	A	B	C	D	
CPU1 A1	64-013	P	P	P	P	
CPU1 A2	64-014	P	P	P	P	
CPU1 A3						
CPU1 B1	64-015	P	P	P	P	
CPU1 B2	64-016	P	P	P	P	
CPU1 B3						
CPU1 C1	64-017	P	P	P	P	
CPU1 C2	64-018	P	P	P	P	
CPU1 C3						
CPU1 D1	64-019	P	P	P	P	
CPU1 D2	64-020	P	P	P	P	
CPU1 D3						
CPU2 E1	65-013	P	P	P	P	
CPU2 E2	65-014	P	P	P	P	
CPU2 E3						
CPU2 F1	65-015	P	P	P	P	
CPU2 F2	65-016	P	P	P	P	
CPU2 F3						
CPU2 G1	65-017	P	P	P	P	
CPU2 G2	65-018	P	P	P	P	
CPU2 G3						
CPU2 H1	65-019	P	P	P	P	
CPU2 H2	65-020	P	P	P	P	
CPU2 H3						
AC Power Cycling						
50 AC Cycles/corner						

4C Maximum Loading						
Start Date	12/10/2019					
DIMM Voltage	1.22v					
DIMM VPP	2.64v / 2.422v					
DIMM	S/N	A	B	C	D	
CPU1 A1	64-001	P	P	P	P	
CPU1 A2	64-002	P	P	P	P	
CPU1 A3	64-003	P	P	P	P	
CPU1 B1	64-004	P	P	P	P	
CPU1 B2	64-005	P	P	P	P	
CPU1 B3	64-006	P	P	P	P	
CPU1 C1	64-007	P	P	P	P	
CPU1 C2	64-008	P	P	P	P	
CPU1 C3	64-009	P	P	P	P	
CPU1 D1	64-010	P	P	P	P	
CPU1 D2	64-011	P	P	P	P	
CPU1 D3	64-012	P	P	P	P	
CPU2 E1	65-001	P	P	P	P	
CPU2 E2	65-002	P	P	P	P	
CPU2 E3	65-003	P	P	P	P	
CPU2 F1	65-004	P	P	P	P	
CPU2 F2	65-005	P	P	P	P	
CPU2 F3	65-006	P	P	P	P	
CPU2 G1	65-007	P	P	P	P	
CPU2 G2	65-008	P	P	P	P	
CPU2 G3	65-009	P	P	P	P	
CPU2 H1	65-010	P	P	P	P	
CPU2 H2	65-011	P	P	P	P	
CPU2 H3	65-012	P	P	P	P	
AC Power Cycling						
50 AC Cycles/corner						