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, R1208WTTGSR, R1280WTTGSSPP, R1304WT2GS, R1304WT2GSR, R1304WTTGS, R1304WTxxx, R2000WTxxx, R1304WTTGSR, R2208WT2YS, R2208WT2YSR, R2208WTTYC1, R2208WTTYC1R, R2208WTTYS, R2208WTTYSR, R2224WTTYS, R2224WTTYSR, R2308WTTGS, R2308WTTYS, R2308WTTYSR, R2312WTTYS, R2312WTTYSR, R2312WTxxx, S2600WT, S2600WT2, S2600WT2R, S2600WTT, S2600WTTR, S2600WTTS1R

Modules Information

DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KSM26RD8/16HCI	RDIMM	1.2V	16GB	2Gx72	2666	19	E	DR
DRAM Vendor	**DRAM Part Number**	**DRAM Density / Width / Date Code**			**Register Vendor / Rev.**			**DIMM Composition**	
SK Hynix	H5AN8G8NCJR-WMC	8Gb	1024Mx8bit	1921	IDT	B1		(1024Mx8)*2*72	

System Configuration

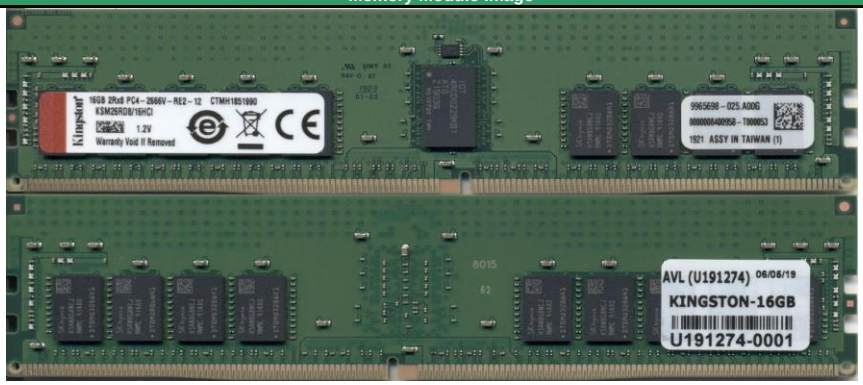
SETUP	System #1	System #2
AVL S/N	SV2346	SV2347
System S/N	BQWL42200131 / LVPP	BQWL42200377 / HVPP
Board Rev. (PBA)	G92187-300	
CPU Type	E5-2690 v4 / 2.60 GHz	
Chipset	C610	
BIOS	01.01.0028	
BMC / ME	01.56 / 051	
FUR/SDR	1.18	
OS	Windows Server 2012 R2	
Test Tool	iWVSS 2.7.0, SELViewer, Syscfg, WinPIRA	

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:	12/20/2019	AVL A#	U191274	AVL W/O	WF2668

Comments:

Test Results

4C — Minimum Loading

Start Date		11/4/2019			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	74-009	P	P	P	P
CPU1 A2					
CPU1 A3					
CPU1 B1	74-010	P	P	P	P
CPU1 B2					
CPU1 B3					
CPU1 C1	74-011	P	P	P	P
CPU1 C2					
CPU1 C3					
CPU1 D1	74-012	P	P	P	P
CPU1 D2					
CPU1 D3					
CPU2 E1	75-009	P	P	P	P
CPU2 E2					
CPU2 E3					
CPU2 F1	75-010	P	P	P	P
CPU2 F2					
CPU2 F3					
CPU2 G1	75-011	P	P	P	P
CPU2 G2					
CPU2 G3					
CPU2 H1	75-012	P	P	P	P
CPU2 H2					
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C — Middle Loading

Start Date		11/04/19			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	74-001	P	P	P	P
CPU1 A2	74-002	P	P	P	P
CPU1 A3					
CPU1 B1	74-003	P	P	P	P
CPU1 B2	74-004	P	P	P	P
CPU1 B3					
CPU1 C1	74-005	P	P	P	P
CPU1 C2	74-006	P	P	P	P
CPU1 C3					
CPU1 D1	74-007	P	P	P	P
CPU1 D2	74-008	P	P	P	P
CPU1 D3					
CPU2 E1	75-001	P	P	P	P
CPU2 E2	75-002	P	P	P	P
CPU2 E3					
CPU2 F1	75-003	P	P	P	P
CPU2 F2	75-004	P	P	P	P
CPU2 F3					
CPU2 G1	75-005	P	P	P	P
CPU2 G2	75-006	P	P	P	P
CPU2 G3					
CPU2 H1	75-007	P	P	P	P
CPU2 H2	75-008	P	P	P	P
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C — Maximum Loading

Start Date		11/4/2019			
DIMM Voltage		1.22v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	74-001	P	P	P	P
CPU1 A2	74-002	P	P	P	P
CPU1 A3	74-003	P	P	P	P
CPU1 B1	74-004	P	P	P	P
CPU1 B2	74-005	P	P	P	P
CPU1 B3	74-006	P	P	P	P
CPU1 C1	74-007	P	P	P	P
CPU1 C2	74-008	P	P	P	P
CPU1 C3	74-009	P	P	P	P
CPU1 D1	74-010	P	P	P	P
CPU1 D2	74-011	P	P	P	P
CPU1 D3	74-012	P	P	P	P
CPU2 E1	75-001	P	P	P	P
CPU2 E2	75-002	P	P	P	P
CPU2 E3	75-003	P	P	P	P
CPU2 F1	75-004	P	P	P	P
CPU2 F2	75-005	P	P	P	P
CPU2 F3	75-006	P	P	P	P
CPU2 G1	75-007	P	P	P	P
CPU2 G2	75-008	P	P	P	P
CPU2 G3	75-009	P	P	P	P
CPU2 H1	75-010	P	P	P	P
CPU2 H2	75-011	P	P	P	P
CPU2 H3	75-012	P	P	P	P
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P