



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

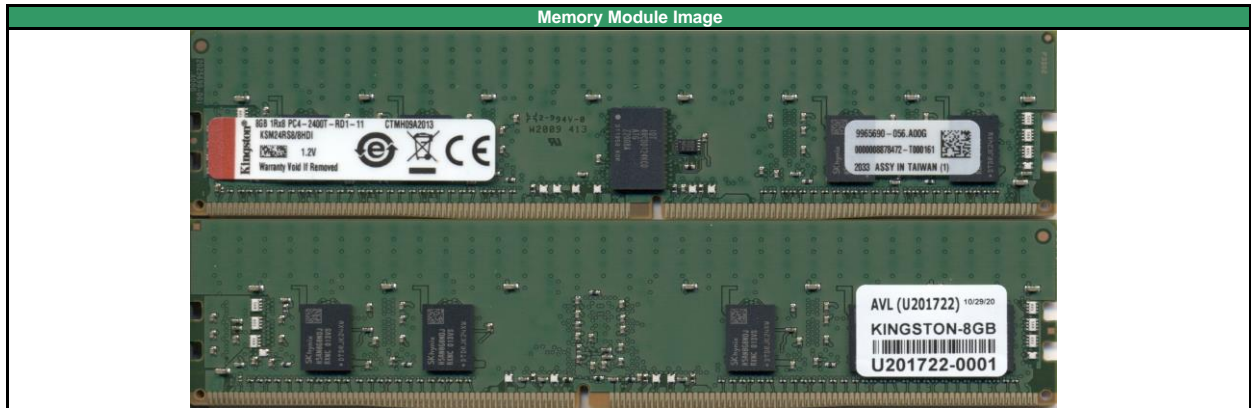
Test System: **Intel S2600WT (Wildcat Pass)** Test Result: **Pass**

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	KSM24RS8/HDI	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	H5AN8G8NDJR-XNC	8Gb	1024Mx8bit	2013	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	01.01.0028	
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



AVL USE ONLY:							
Completed by:	Andy Chang	Completion Date:	05/06/2021	AVL A#	U201722	AVL W/O	WF8347

Test Results												
4C Minimum Loading				4C Middle Loading				4C Maximum Loading				
Start Date		4/22/2021		Start Date		04/22/21		Start Date		4/22/2021		
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	D
CPU1 A1	0009	P	P	P	P	CPU1 A1	0001	P	P	P	P	P
CPU1 A2						CPU1 A2	0002	P	P	P	P	P
CPU1 A3						CPU1 A3	0003	P	P	P	P	P
CPU1 B1	0010	P	P	P	P	CPU1 B1	0003	P	P	P	P	P
CPU1 B2						CPU1 B2	0004	P	P	P	P	P
CPU1 B3						CPU1 B3	0006	P	P	P	P	P
CPU1 C1	0011	P	P	P	P	CPU1 C1	0005	P	P	P	P	P
CPU1 C2						CPU1 C2	0006	P	P	P	P	P
CPU1 C3						CPU1 C3	0007	P	P	P	P	P
CPU1 D1	0012	P	P	P	P	CPU1 D1	0007	P	P	P	P	P
CPU1 D2						CPU1 D2	0008	P	P	P	P	P
CPU1 D3						CPU1 D3	0009	P	P	P	P	P
CPU2 E1	0022	P	P	P	P	CPU2 E1	0009	P	P	P	P	P
CPU2 E2						CPU2 E2	0010	P	P	P	P	P
CPU2 E3						CPU2 E3	0011	P	P	P	P	P
CPU2 F1	0023	P	P	P	P	CPU2 F1	0011	P	P	P	P	P
CPU2 F2						CPU2 F2	0012	P	P	P	P	P
CPU2 F3						CPU2 F3	0013	P	P	P	P	P
CPU2 G1	0024	P	P	P	P	CPU2 G1	0013	P	P	P	P	P
CPU2 G2						CPU2 G2	0014	P	P	P	P	P
CPU2 G3						CPU2 G3	0015	P	P	P	P	P
CPU2 H1	0025	P	P	P	P	CPU2 H1	0015	P	P	P	P	P
CPU2 H2						CPU2 H2	0016	P	P	P	P	P
CPU2 H3						CPU2 H3	0016	P	P	P	P	P
CPU2 I1						CPU2 I1	0017	P	P	P	P	P
CPU2 I2						CPU2 I2	0018	P	P	P	P	P
CPU2 I3						CPU2 I3	0019	P	P	P	P	P
CPU2 J1						CPU2 J1	0020	P	P	P	P	P
CPU2 J2						CPU2 J2	0021	P	P	P	P	P
CPU2 J3						CPU2 J3	0022	P	P	P	P	P
CPU2 K1						CPU2 K1	0023	P	P	P	P	P
CPU2 K2						CPU2 K2	0024	P	P	P	P	P
CPU2 K3						CPU2 K3	0024	P	P	P	P	P