



Advanced Validation Labs, Inc.

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Intel PCSD Server Memory Compatibility Test Certificate	
Test System: Intel S2600WT (Wildcat Pass)	Test Result: Pass

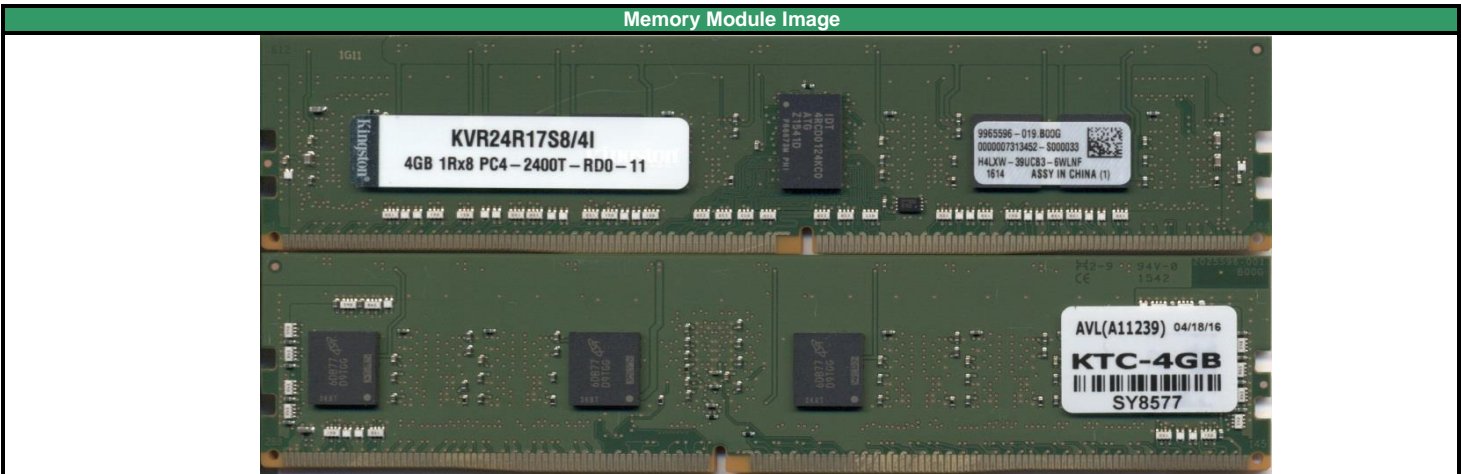
Leveraged System(s): MCB2208WAF4, MCB2208WAF5, MCB2312WHY2, R1208WT2GSR, R1208WTTGS, R1208WTxxx, R1208WTTGSR, R1280WTTGSSPP, R1304WT2GS, R1304WT2GSR, R1304WTTGS, R1304WTxxx, R2000WTxxx, R1304WTTGSR, R2208WT2YS, R2208WTTYSR, R2208WTTTC1, R2208WTTTC1R, R2208WTTYS, R2208WTTYSR, R2224WTTYS, R2224WTTYSR, 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	KVR24R17S8/4I	RDIMM	1.2V	4GB	512Mx72	2400	17	D	SR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code			Register Vendor / Rev.		DIMM Composition		
Micron	MT40A512M8RH-083E:B	4Gb	512Mx8bit	1608	IDT	A	(512Mx8)*72		

Leveraged Memory Modules						
Vendor	Part Number	Type	Voltage	CL	Speed	
1	Kingston	KVR24R17S8K4/16I	RDIMM	1.2V	15	2400
2						
3						
4						
5						
6						

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 / Date	01.01.0015 / 01-28-2016	
BMC / ME	01.43.9685 / 03.01.03.021	
FUR/SDR	1.12	
OS	Windows Server 2012 R2	
Test Tool	iWVSS 2.6.1, 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:		



AVL USE ONLY:							
Completed by:	Andy Chang	Completion Date:	05/23/16	AVL A#	A11239	AVL W/O	WD5799
Comments:							

Test Results

4C					
Minimum Loading					
Start Date		5/13/2016			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SY8577	P	P	P	P
CPU1 A2					
CPU1 A3					
CPU1 B1	SY8578	P	P	P	P
CPU1 B2					
CPU1 B3					
CPU1 C1	SY8579	P	P	P	P
CPU1 C2					
CPU1 C3					
CPU1 D1	SY8580	P	P	P	P
CPU1 D2					
CPU1 D3					
CPU2 E1	SY8581	P	P	P	P
CPU2 E2					
CPU2 E3					
CPU2 F1	SY8582	P	P	P	P
CPU2 F2					
CPU2 F3					
CPU2 G1	SY8583	P	P	P	P
CPU2 G2					
CPU2 G3					
CPU2 H1	SY8584	P	P	P	P
CPU2 H2					
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Middle Loading					
Start Date		05/13/16			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SY8577	P	P	P	P
CPU1 A2	SY8578	P	P	P	P
CPU1 A3					
CPU1 B1	SY8579	P	P	P	P
CPU1 B2	SY8580	P	P	P	P
CPU1 B3					
CPU1 C1	SY8581	P	P	P	P
CPU1 C2	SY8582	P	P	P	P
CPU1 C3					
CPU1 D1	SY8583	P	P	P	P
CPU1 D2	SY8584	P	P	P	P
CPU1 D3					
CPU2 E1	SY8585	P	P	P	P
CPU2 E2	SY8586	P	P	P	P
CPU2 E3					
CPU2 F1	SY8587	P	P	P	P
CPU2 F2	SY8588	P	P	P	P
CPU2 F3					
CPU2 G1	SY8589	P	P	P	P
CPU2 G2	SY8590	P	P	P	P
CPU2 G3					
CPU2 H1	SY8591	P	P	P	P
CPU2 H2	SY8592	P	P	P	P
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Maximum Loading					
Start Date		5/13/2016			
DIMM Voltage		1.22v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SY8602	P	P	P	P
CPU1 A2	SY8603	P	P	P	P
CPU1 A3	SY8604	P	P	P	P
CPU1 B1	SY8605	P	P	P	P
CPU1 B2	SY8606	P	P	P	P
CPU1 B3	SY8607	P	P	P	P
CPU1 C1	SY8608	P	P	P	P
CPU1 C2	SY8609	P	P	P	P
CPU1 C3	SY8610	P	P	P	P
CPU1 D1	SY8611	P	P	P	P
CPU1 D2	SY8612	P	P	P	P
CPU1 D3	SY8613	P	P	P	P
CPU2 E1	SY8614	P	P	P	P
CPU2 E2	SY8615	P	P	P	P
CPU2 E3	SY8616	P	P	P	P
CPU2 F1	SY8617	P	P	P	P
CPU2 F2	SY8618	P	P	P	P
CPU2 F3	SY8619	P	P	P	P
CPU2 G1	SY8620	P	P	P	P
CPU2 G2	SY8621	P	P	P	P
CPU2 G3	SY8622	P	P	P	P
CPU2 H1	SY8623	P	P	P	P
CPU2 H2	SY8624	P	P	P	P
CPU2 H3	SY8625	P	P	P	P
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P