



Advanced Validation Labs, Inc.

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

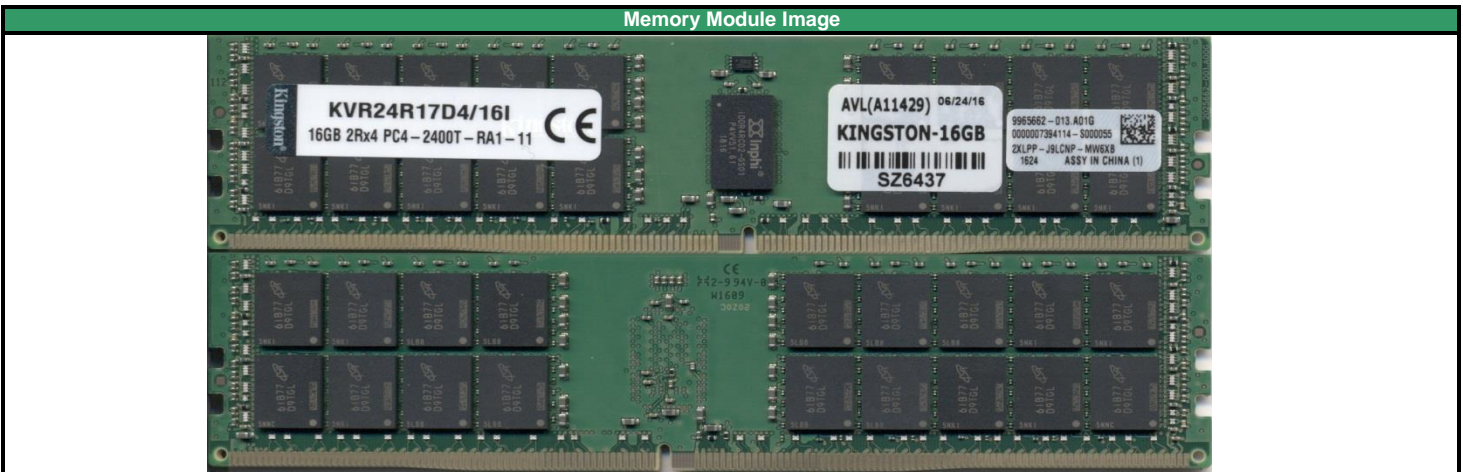
Leveraged System(s): MCB2208WAF4, MCB2208WAF5, MCB2312WHY2, R1208WT2GSR, R1208WTTGS, R1208WTxxx, R1208WTTGSR, R1280WTTGSSPP, R1304WT2GS, R1304WT2GSR, R1304WTTGS, R1304WTxxx, R2000WTxxx, R1304WTTGSR, R2208WT2YS, R2208WT2YSR, R2208WTTYC1, R2208WTTYC1R, R2208WTTYS, R2208WTTYSR, R2224WTTYS, R2224WTTYSR, 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	KVR24R17D4/16I	RDIMM	1.2V	16GB	2Gx72	2400	17	A	DR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code			Register Vendor / Rev.		DIMM Composition		
Micron	MT40A1G4RH-083E:B	4Gb	1024Mx4bit	1618	Inphi	GS01	(1024Mx4)*2*72		

Leveraged Memory Modules						
Vendor	Part Number	Type	Voltage	CL	Speed	
1	Kingston	KVR24R17D4K4/64I	RDIMM	1.2V	17	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:	Completion Date:	AVL A#	AVL W/O			
Andy Chang	07/12/16	A11429	WD6298			
Comments:						

Test Results

4C						
Minimum Loading						
Start Date		6/29/2016				
DIMM Voltage		1.22v / 1.16v				
DIMM VPP		2.64v / 2.422v				
DIMM	S/N	A	B	C	D	
CPU1 A1	SZ6462	P	P	P	P	
CPU1 A2						
CPU1 A3						
CPU1 B1	SZ6363	P	P	P	P	
CPU1 B2						
CPU1 B3						
CPU1 C1	SZ6464	P	P	P	P	
CPU1 C2						
CPU1 C3						
CPU1 D1	SZ6465	P	P	P	P	
CPU1 D2						
CPU1 D3						
CPU2 E1	SZ6466	P	P	P	P	
CPU2 E2						
CPU2 E3						
CPU2 F1	SZ6467	P	P	P	P	
CPU2 F2						
CPU2 F3						
CPU2 G1	SZ6468	P	P	P	P	
CPU2 G2						
CPU2 G3						
CPU2 H1	SZ6469	P	P	P	P	
CPU2 H2						
CPU2 H3						
AC Power Cycling						
50 AC Cycles/corner		P	P	P	P	

4C						
Middle Loading						
Start Date		06/29/16				
DIMM Voltage		1.22v / 1.16v				
DIMM VPP		2.64v / 2.422v				
DIMM	S/N	A	B	C	D	
CPU1 A1	SZ6437	P	P	P	P	
CPU1 A2	SZ6438	P	P	P	P	
CPU1 A3						
CPU1 B1	SZ6439	P	P	P	P	
CPU1 B2	SZ6440	P	P	P	P	
CPU1 B3						
CPU1 C1	SZ6441	P	P	P	P	
CPU1 C2	SZ6442	P	P	P	P	
CPU1 C3						
CPU1 D1	SZ6443	P	P	P	P	
CPU1 D2	SZ6444	P	P	P	P	
CPU1 D3						
CPU2 E1	SZ6445	P	P	P	P	
CPU2 E2	SZ6446	P	P	P	P	
CPU2 E3						
CPU2 F1	SZ6447	P	P	P	P	
CPU2 F2	SZ6448	P	P	P	P	
CPU2 F3						
CPU2 G1	SZ6449	P	P	P	P	
CPU2 G2	SZ6450	P	P	P	P	
CPU2 G3						
CPU2 H1	SZ6451	P	P	P	P	
CPU2 H2	SZ6452	P	P	P	P	
CPU2 H3						
AC Power Cycling						
50 AC Cycles/corner		P	P	P	P	

4C						
Maximum Loading						
Start Date		6/29/2016				
DIMM Voltage		1.22v				
DIMM VPP		2.64v / 2.422v				
DIMM	S/N	A	B	C	D	
CPU1 A1	SZ6462	P	P	P	P	
CPU1 A2	SZ6463	P	P	P	P	
CPU1 A3	SZ6464	P	P	P	P	
CPU1 B1	SZ6465	P	P	P	P	
CPU1 B2	SZ6466	P	P	P	P	
CPU1 B3	SZ6467	P	P	P	P	
CPU1 C1	SZ6468	P	P	P	P	
CPU1 C2	SZ6469	P	P	P	P	
CPU1 C3	SZ6470	P	P	P	P	
CPU1 D1	SZ6471	P	P	P	P	
CPU1 D2	SZ6472	P	P	P	P	
CPU1 D3	SZ6473	P	P	P	P	
CPU2 E1	SZ6474	P	P	P	P	
CPU2 E2	SZ6475	P	P	P	P	
CPU2 E3	SZ6476	P	P	P	P	
CPU2 F1	SZ6477	P	P	P	P	
CPU2 F2	SZ6478	P	P	P	P	
CPU2 F3	SZ6479	P	P	P	P	
CPU2 G1	SZ6480	P	P	P	P	
CPU2 G2	SZ6481	P	P	P	P	
CPU2 G3	SZ6482	P	P	P	P	
CPU2 H1	SZ6483	P	P	P	P	
CPU2 H2	SZ6484	P	P	P	P	
CPU2 H3	SZ6485	P	P	P	P	
AC Power Cycling						
50 AC Cycles/corner		P	P	P	P	