



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):N/A

Modules Information

DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KVR21R15D8/8I	RDIMM	1.2V	8GB	1Gx72	2133	15	E	DR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code			Register Vendor / Rev.		DIMM Composition		
Kingston	H5AN4G8NAFR-TFC	4Gb	512Mx8bit	1530	IDT	GS02	(512Mx8)x2*72		

Leveraged Memory Modules

Vendor	Type	Voltage	CL	Speed
1 Kingston	KVR21R15D8K4/32I	RDIMM	1.2V	15 2133
2				
3				
4				
5				
6				

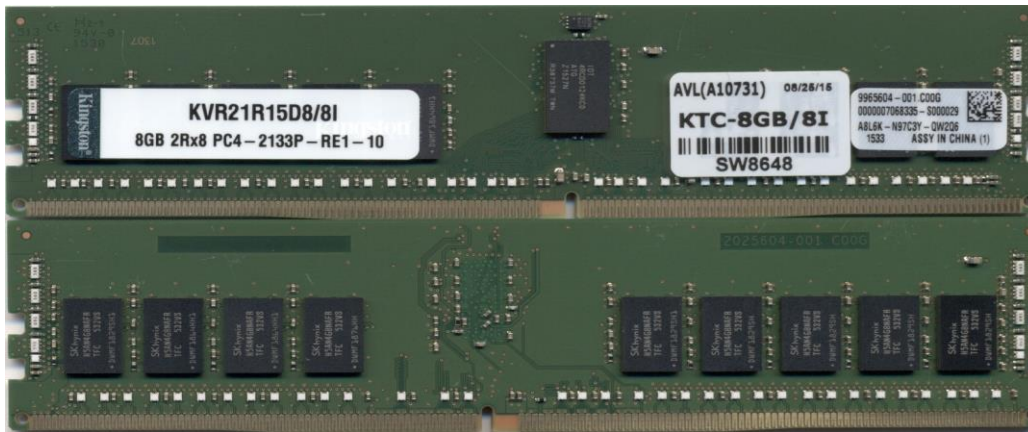
System Configuration

SETUP	System #1	System #2
AVL S/N	SV2346	SV2347
System S/N	BQWL42200131 / LVPP	BQWL42200377 / HVPP
Board Rev. (PBA)	G92187-300	
CPU Type	E5-2637 v3 / 3.50 GHz	
Chipset	C610	
BIOS / Date	01.01.0627 / 09/02/2014	
BMC / ME	01.05.6820 / 03.00.06.274	
FUR/SDR	1.00	
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:		

Memory Module Image



AVL USE ONLY:

Completed by:	Andy Chang	Completion Date:	09/21/2015	AVL A#	A10731	AVL W/O	WD4063
Comments:							

Test Results

4C					
Minimum Loading					
Start Date		9/2/2015			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SW8664	P	P	P	P
CPU1 A2					
CPU1 A3					
CPU1 B1	SW8665	P	P	P	P
CPU1 B2					
CPU1 B3					
CPU1 C1	SW8666	P	P	P	P
CPU1 C2					
CPU1 C3					
CPU1 D1	SW8667	P	P	P	P
CPU1 D2					
CPU1 D3					
CPU2 E1	SW8668	P	P	P	P
CPU2 E2					
CPU2 E3					
CPU2 F1	SW8669	P	P	P	P
CPU2 F2					
CPU2 F3					
CPU2 G1	SW8670	P	P	P	P
CPU2 G2					
CPU2 G3					
CPU2 H1	SW8671	P	P	P	P
CPU2 H2					
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Middle Loading					
Start Date		09/07/15			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SW8648	P	P	P	P
CPU1 A2	SW8649	P	P	P	P
CPU1 A3					
CPU1 B1	SW8650	P	P	P	P
CPU1 B2	SW8651	P	P	P	P
CPU1 B3					
CPU1 C1	SW8652	P	P	P	P
CPU1 C2	SW8653	P	P	P	P
CPU1 C3					
CPU1 D1	SW8654	P	P	P	P
CPU1 D2	SW8655	P	P	P	P
CPU1 D3					
CPU2 E1	SW8656	P	P	P	P
CPU2 E2	SW8657	P	P	P	P
CPU2 E3					
CPU2 F1	SW8658	P	P	P	P
CPU2 F2	SW8659	P	P	P	P
CPU2 F3					
CPU2 G1	SW8660	P	P	P	P
CPU2 G2	SW8661	P	P	P	P
CPU2 G3					
CPU2 H1	SW8662	P	P	P	P
CPU2 H2	SW8663	P	P	P	P
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Maximum Loading					
Start Date		9/10/2015			
DIMM Voltage		1.22v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SW8648	P	P	P	P
CPU1 A2	SW8649	P	P	P	P
CPU1 A3	SW8650	P	P	P	P
CPU1 B1	SW8651	P	P	P	P
CPU1 B2	SW8652	P	P	P	P
CPU1 B3	SW8653	P	P	P	P
CPU1 C1	SW8654	P	P	P	P
CPU1 C2	SW8655	P	P	P	P
CPU1 C3	SW8656	P	P	P	P
CPU1 D1	SW8657	P	P	P	P
CPU1 D2	SW8658	P	P	P	P
CPU1 D3	SW8659	P	P	P	P
CPU2 E1	SW8660	P	P	P	P
CPU2 E2	SW8661	P	P	P	P
CPU2 E3	SW8662	P	P	P	P
CPU2 F1	SW8663	P	P	P	P
CPU2 F2	SW8664	P	P	P	P
CPU2 F3	SW8665	P	P	P	P
CPU2 G1	SW8666	P	P	P	P
CPU2 G2	SW8667	P	P	P	P
CPU2 G3	SW8668	P	P	P	P
CPU2 H1	SW8669	P	P	P	P
CPU2 H2	SW8670	P	P	P	P
CPU2 H3	SW8671	P	P	P	P
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P