



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

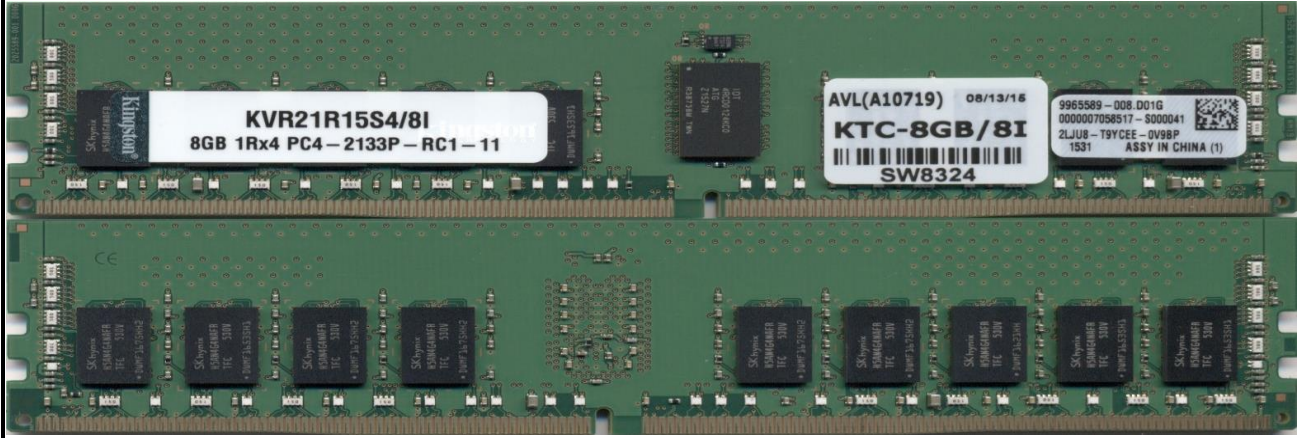
Modules Information									
DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KVR21R15S4/8I	RDIMM	1.2V	8GB	1Gx72	2133	15	C	SR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code			Register Vendor / Rev.		DIMM Composition		
Kingston	H5AN4G4NAFR-TFC	4Gb	1024Mx4bit	1530	IDT	A	(1024Mx4)*72		

Leveraged Memory Modules						
Vendor	Type	Voltage	CL	Speed		
1 Kingston	KVR21R15S4K4/32I	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	iVSS 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
4. Memory Stress		HVDD/HVPP Cold
5. Memory Stress		LVDD/LVPP Hot
6. Memory Stress		LVDD/LVPP Cold
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:	08/25/15	AVL A#	A10719	AVL W/O	WD4031
Comments:							

Test Results

4C					
Minimum Loading					
Start Date		8/24/2015			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SW8324	P	P	P	P
CPU1 A2					
CPU1 A3					
CPU1 B1	SW8325	P	P	P	P
CPU1 B2					
CPU1 B3					
CPU1 C1	SW8326	P	P	P	P
CPU1 C2					
CPU1 C3					
CPU1 D1	SW8327	P	P	P	P
CPU1 D2					
CPU1 D3					
CPU2 E1	SW8328	P	P	P	P
CPU2 E2					
CPU2 E3					
CPU2 F1	SW8329	P	P	P	P
CPU2 F2					
CPU2 F3					
CPU2 G1	SW8330	P	P	P	P
CPU2 G2					
CPU2 G3					
CPU2 H1	SW8331	P	P	P	P
CPU2 H2					
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Middle Loading					
Start Date		08/23/15			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SW8324	P	P	P	P
CPU1 A2	SW8325	P	P	P	P
CPU1 A3					
CPU1 B1	SW8326	P	P	P	P
CPU1 B2	SW8327	P	P	P	P
CPU1 B3					
CPU1 C1	SW8328	P	P	P	P
CPU1 C2	SW8329	P	P	P	P
CPU1 C3					
CPU1 D1	SW8330	P	P	P	P
CPU1 D2	SW8331	P	P	P	P
CPU1 D3					
CPU2 E1	SW8332	P	P	P	P
CPU2 E2	SW8333	P	P	P	P
CPU2 E3					
CPU2 F1	SW8334	P	P	P	P
CPU2 F2	SW8335	P	P	P	P
CPU2 F3					
CPU2 G1	SW8336	P	P	P	P
CPU2 G2	SW8337	P	P	P	P
CPU2 G3					
CPU2 H1	SW8338	P	P	P	P
CPU2 H2	SW8339	P	P	P	P
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Maximum Loading					
Start Date		8/20/2015			
DIMM Voltage		1.22v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SW8354	P	P	P	P
CPU1 A2	SW8355	P	P	P	P
CPU1 A3	SW8356	P	P	P	P
CPU1 B1	SW8357	P	P	P	P
CPU1 B2	SW8358	P	P	P	P
CPU1 B3	SW8359	P	P	P	P
CPU1 C1	SW8360	P	P	P	P
CPU1 C2	SW8361	P	P	P	P
CPU1 C3	SW8362	P	P	P	P
CPU1 D1	SW8363	P	P	P	P
CPU1 D2	SW8364	P	P	P	P
CPU1 D3	SW8365	P	P	P	P
CPU2 E1	SW8366	P	P	P	P
CPU2 E2	SW8367	P	P	P	P
CPU2 E3	SW8368	P	P	P	P
CPU2 F1	SW8369	P	P	P	P
CPU2 F2	SW8370	P	P	P	P
CPU2 F3	SW8371	P	P	P	P
CPU2 G1	SW8372	P	P	P	P
CPU2 G2	SW8373	P	P	P	P
CPU2 G3	SW8374	P	P	P	P
CPU2 H1	SW8375	P	P	P	P
CPU2 H2	SW8376	P	P	P	P
CPU2 H3	SW8377	P	P	P	P
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P