



Advanced Validation Labs, Inc.

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Intel PCSD Server Memory Compatibility Test Certificate	
Test System: Intel S2600CW (Cottonwood 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	KVR21R15S8/4I	RDIMM	1.2V	4GB	512Mx72	2133	15	D	SR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code			Register Vendor / Rev.		DIMM Composition		
Kingston	H5AN4G8NAFR-TFC	4Gb	512Mx8bit	1550	Montage	1	(512Mx8)*72		

Leveraged Memory Modules

Vendor	Type	Voltage	CL	Speed
1 Kingston	KVR21R15S8K4/16I	RDIMM	1.2V	15 2133
2				
3				
4				
5				
6				

System Configuration

SETUP	System #1	System #2
AVL S/N	SU9557	SU9556
System S/N	FWCT44150269 / LVPP	FWCT44150034 / HVPP
Board Rev. (PBA)	H44615-202	
CPU Type	E5-2695 v3 / 2.30 GHz	
Chipset	C610	
BIOS / Date	01.01.0014 / 12-18-2015	
BMC / ME	01.33.8932 / 03.01.03.005	
FUR/SDR	1.10	
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
Note:		

Memory Module Image



AVL USE ONLY:

Completed by:	Andy Chang	Completion Date:	03/11/16	AVL A#	A11039	AVL W/O	WD4992
Comments:							

Test Results

4C					
Minimum Loading					
Start Date		3/8/2016			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SY1376	P	P	P	P
CPU1 A2					
CPU1 B1	SY1377	P	P	P	P
CPU1 B2					
CPU1 C1	SY1378	P	P	P	P
CPU1 C2					
CPU1 D1	SY1379	P	P	P	P
CPU1 D2					
CPU2 E1	SY1380	P	P	P	P
CPU2 E2					
CPU2 F1	SY1381	P	P	P	P
CPU2 F2					
CPU2 G1	SY1382	P	P	P	P
CPU2 G2					
CPU2 H1	SY1383	P	P	P	P
CPU2 H2					

4C					
Maximum Loading					
Start Date		03/08/16			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SY1360	P	P	P	P
CPU1 A2	SY1361	P	P	P	P
CPU1 B1	SY1362	P	P	P	P
CPU1 B2	SY1363	P	P	P	P
CPU1 C1	SY1364	P	P	P	P
CPU1 C2	SY1365	P	P	P	P
CPU1 D1	SY1366	P	P	P	P
CPU1 D2	SY1367	P	P	P	P
CPU2 E1	SY1368	P	P	P	P
CPU2 E2	SY1369	P	P	P	P
CPU2 F1	SY1370	P	P	P	P
CPU2 F2	SY1371	P	P	P	P
CPU2 G1	SY1372	P	P	P	P
CPU2 G2	SY1373	P	P	P	P
CPU2 H1	SY1374	P	P	P	P
CPU2 H2	SY1375	P	P	P	P