Advanced Validation Labs, Inc.

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Intel PCSD Server Memory Compatibility Test Certificate

Test System: **Intel S2400LP (Lincoln Pass)** Test Result: **Pass**

Leveraged System(s): Intel S2400BB (Black Bear Pass), Intel S1400FP (Freemont Pass),Intel S1400(Salmon Pass)

Module Information

RPXXXXXXXXXXXXXXXXX — Rev. 03/01/2014

DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KVR16LR11S4/8I	RDIMM	1.35V	8GB	1Gx72	1600	11	C	SR

DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code			Register Vendor / Rev.		DIMM Composition
Hynix	H5TC4G43BFR-PBA	4Gb	1024Mx4bit	1438	Inphi	GS02	(1024Mx4)*72

Leveraged Memory Modules

	Vendor		Type	Voltage	CL	Speed
1	Kingston	KVR16LR11S4K3/24I	RDIMM	1.35V	11	1600
2	Kingston	KVR16LR11S4K4/32I	RDIMM	1.35V	11	1600
3	Kingston	KVR16R11S4/8I	RDIMM	1.5V	11	1600
4	Kingston	KVR16R11S4K3/24I	RDIMM	1.5V	11	1600
5	Kingston	KVR16R11S4K4/32I	RDIMM	1.5V	11	1600
6						

System Configuration

SETUP	System #1	System #2
AVL S/N	SO7932	SR7541
System S/N	AZLP15100088	AZLP23700462
Board Rev. (PBA)	G18581-201	G18580-204
CPU Type	E5-2450 v2 / 2.1 GHz	
Chipset	Intel C602	
BIOS / Date	02.03.0003 / 04/19/2014	
BMC / ME	01.21.6038 / 02.01.07.328	
FUR/SDR	1.09	
OS	Windows 2008 Enterprise R2 64bit SP1	
Test Tool	iWVSS 2.5.3, SELViewer, Pvmode2, Syscfg, WinPIRA,MemPuller	

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 Hot	Pass
4. Memory Stress		HVDD Cold	Pass
5. Memory Stress		LVDD Hot	Pass
6. Memory Stress		LVDD Cold	Pass

Note:

Memory Module Image

AVL USE ONLY:

Completed by:	Andy Chang	Completion Date:	01/22/15	AVL A#	A10272		AVL W/O	WD2658

Comments:

Test Results

4C Minimum Loading					
Start Date		1/14/2015			
DIMM Voltage		1.5v			
DIMM	S/N	A	B	C	D
CPU1 A1	SV4436	P	P	P	P
CPU1 A2					
CPU1 B1	SV4437	P	P	P	P
CPU1 B2					
CPU1 C1	SV4438	P	P	P	P
CPU1 C2					
CPU1 D1	SV4439	P	P	P	P
CPU1 D2					
CPU2 E1	SV4440	P	P	P	P
CPU2 E2					
CPU2 F1	SV4493	P	P	P	P
CPU2 F2					

4C Maximum Loading					
Start Date		01/16/15			
DIMM Voltage		1.5v			
DIMM	S/N	A	B	C	D
CPU1 A1	SV4436	P	P	P	P
CPU1 A2	SV4437	P	P	P	P
CPU1 B1	SV4438	P	P	P	P
CPU1 B2	SV4439	P	P	P	P
CPU1 C1	SV4440	P	P	P	P
CPU1 C2	SV4441	P	P	P	P
CPU1 D1	SV4442	P	P	P	P
CPU1 D2	SV4443	P	P	P	P
CPU2 E1	SV4444	P	P	P	P
CPU2 E2	SV4445	P	P	P	P
CPU2 F1	SV4446	P	P	P	P
CPU2 F2	SV4493	P	P	P	P

4C Minimum Loading					
Start Date		1/12/2015			
DIMM Voltage		1.35v			
DIMM	S/N	E	F	G	H
CPU1 A1	SV4436	P	P	P	P
CPU1 A2					
CPU1 B1	SV4437	P	P	P	P
CPU1 B2					
CPU1 C1	SV4438	P	P	P	P
CPU1 C2					
CPU1 D1	SV4439	P	P	P	P
CPU1 D2					
CPU2 E1	SV4440	P	P	P	P
CPU2 E2					
CPU2 F1	SV4441	P	P	P	P
CPU2 F2					

4C Maximum Loading					
Start Date		01/17/15			
DIMM Voltage		1.35v			
DIMM	S/N	E	F	G	H
CPU1 A1	SV4436	P	P	P	P
CPU1 A2	SV4437	P	P	P	P
CPU1 B1	SV4438	P	P	P	P
CPU1 B2	SV4439	P	P	P	P
CPU1 C1	SV4440	P	P	P	P
CPU1 C2	SV4441	P	P	P	P
CPU1 D1	SV4442	P	P	P	P
CPU1 D2	SV4443	P	P	P	P
CPU2 E1	SV4444	P	P	P	P
CPU2 E2	SV4445	P	P	P	P
CPU2 F1	SV4446	P	P	P	P
CPU2 F2	SV4447	P	P	P	P