



Advanced Validation Labs, Inc.
17665B Newhope Street, Fountain Valley, CA 92708 (714) 435-2630



Intel PCSD Server Memory Compatibility Test Certificate

Test System: Intel S2400LP (Lincoln Pass)	Test Result: Pass
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Leveraged System(s): Intel S2400BB (Black Bear Pass), Intel S1400FP (Freemont Pass), Intel S1400 (Salmon Pass)

Module Information

DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KVR16LR11D8/8I	RDIMM	1.35V	8GB	1Gx72	1600	11	B	DR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code			Register Vendor / Rev.		DIMM Composition		
Hynix	HTC4G83BFR-PBA	4Gb	512Mx8bit	1452	IDT	A	(512Mx8)x2*72		

Leveraged Memory Modules

	Vendor	Type	Voltage	CL	Speed	
1	Kingston	KVR16LR11D8K3/24I	RDIMM	1.35V	11	1600
2	Kingston	KVR16LR11D8K4/32I	RDIMM	1.35V	11	1600
3	Kingston	KVR16R11D8/8I	RDIMM	1.5V	11	1600
4	Kingston	KVR16R11D8K3/24I	RDIMM	1.5V	11	1600
5	Kingston	KVR16R11D8K4/32I	RDIMM	1.5V	11	1600
6						

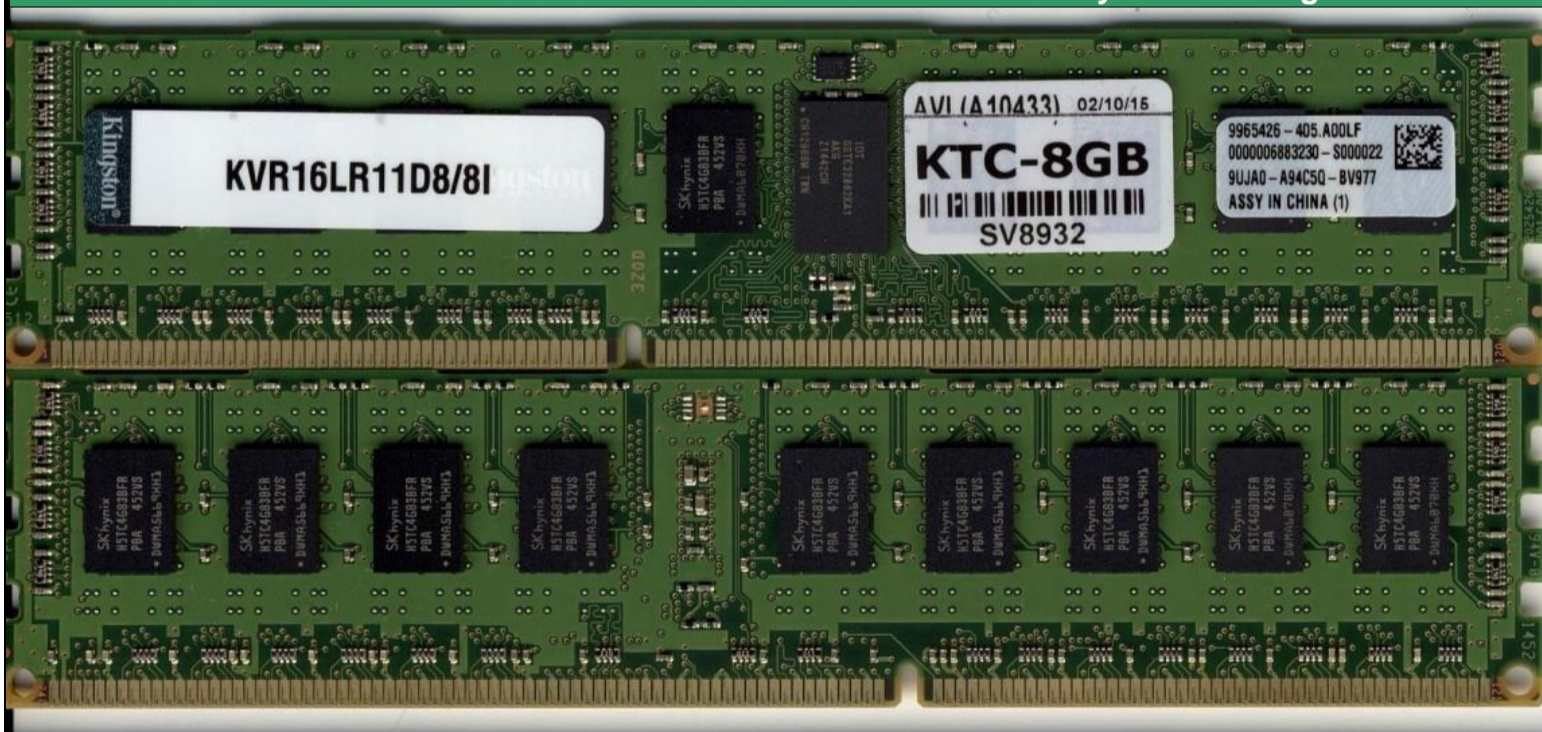
System Configuration

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:	03/24/15	AVL A#	A10433	AVL W/O	WD3192
Comments:							

Test Results

4C					
Minimum Loading					
Start Date		3/19/2015			
DIMM Voltage		1.5v			
DIMM	S/N	A	B	C	D
CPU1 A1	SV8932	P	P	P	P
CPU1 A2					
CPU1 B1	SV8933	P	P	P	P
CPU1 B2					
CPU1 C1	SV8934	P	P	P	P
CPU1 C2					
CPU1 D1	SV8935	P	P	P	P
CPU1 D2					
CPU2 E1	SV8936	P	P	P	P
CPU2 E2					
CPU2 F1	SV9030	P	P	P	P
CPU2 F2					

4C					
Middle Loading					
Start Date		03/09/15			
DIMM Voltage		1.5v			
DIMM	S/N	A	B	C	D
CPU1 A1	SV8932	P	P	P	P
CPU1 A2	SV8933	P	P	P	P
CPU1 B1	SV8934	P	P	P	P
CPU1 B2	SV8935	P	P	P	P
CPU1 C1	SV8936	P	P	P	P
CPU1 C2	SV8937	P	P	P	P
CPU1 D1	SV8938	P	P	P	P
CPU1 D2	SV8939	P	P	P	P
CPU2 E1	SV8940	P	P	P	P
CPU2 E2	SV8941	P	P	P	P
CPU2 F1	SV8942	P	P	P	P
CPU2 F2	SV9036	P	P	P	P

4C					
Minimum Loading					
Start Date		3/11/2015			
DIMM Voltage		1.35v			
DIMM	S/N	E	F	G	H
CPU1 A1	SV8932	P	P	P	P
CPU1 A2					
CPU1 B1	SV8933	P	P	P	P
CPU1 B2					
CPU1 C1	SV8934	P	P	P	P
CPU1 C2					
CPU1 D1	SV8935	P	P	P	P
CPU1 D2					
CPU2 E1	SV8936	P	P	P	P
CPU2 E2					
CPU2 F1	SV8937	P	P	P	P
CPU2 F2					

4C					
Middle Loading					
Start Date		02/12/15			
DIMM Voltage		1.35v			
DIMM	S/N	E	F	G	H
CPU1 A1	SV8932	P	P	P	P
CPU1 A2	SV8933	P	P	P	P
CPU1 B1	SV8934	P	P	P	P
CPU1 B2	SV8935	P	P	P	P
CPU1 C1	SV8936	P	P	P	P
CPU1 C2	SV8937	P	P	P	P
CPU1 D1	SV8938	P	P	P	P
CPU1 D2	SV8939	P	P	P	P
CPU2 E1	SV8940	P	P	P	P
CPU2 E2	SV8941	P	P	P	P
CPU2 F1	SV8942	P	P	P	P
CPU2 F2	SV8943	P	P	P	P