



Advanced Validation Labs, Inc.
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Intel PCSD Server Memory Compatibility Test Certificate

Test System: Intel S2600CR (Crown Pass)	Test Result: Pass
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Leveraged System(s): Intel S2600IP (Iron Pass), Intel S2600CO (Copper Pass)

Module Information									
DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KVR16LR11S8/4I	RDIMM	1.35V	4GB	512Mx72	1600	11	A	SR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code			Register Vendor / Rev.		DIMM Composition		
Hynix	HTC4G83BFR-PBA	4Gb	512Mx8bit	1452	IDT	A	(512Mx8)*72		

Leveraged Memory Modules						
	Vendor	Type	Voltage	CL	Speed	
1	Kingston	KVR16LR11S8K3/12I	RDIMM	1.35V	11	1600
2	Kingston	KVR16LR11S8K4/16I	RDIMM	1.35V	11	1600
3	Kingston	KVR16R11S8/4I	RDIMM	1.5V	11	1600
4	Kingston	KVR16R11S8K3/12I	RDIMM	1.5V	11	1600
5	Kingston	KVR16R11S8K4/16I	RDIMM	1.5V	11	1600
6						

System Configuration		
SETUP	System #1	System #2
AVL S/N	SO9588	SU4442
System S/N	QSIP20200687	QSIP22205522
Board Rev. (PBA)	G21602-301	G20602-302
CPU Type	E5-2637 v2 / 3.5 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:	03/03/15	AVL A#	A10435	AVL W/O	WD3204
Comments:							

Test Results

4C					
Minimum Loading					
Start Date		2/26/2015			
DIMM Voltage		1.5v			
DIMM	S/N	A	B	C	D
CPU1 A1	SV9135	P	P	P	P
CPU1 A2					
CPU1 B1	SV9136	P	P	P	P
CPU1 B2					
CPU1 C1	SV9137	P	P	P	P
CPU1 C2					
CPU1 D1	SV9138	P	P	P	P
CPU1 D2					
CPU2 E1	SV9139	P	P	P	P
CPU2 E2					
CPU2 F1	SV9140	P	P	P	P
CPU2 F2					
CPU2 G1	SV9141	P	P	P	P
CPU2 G2					
CPU2 H1	SV9160	P	P	P	P
CPU2 H2					

4C					
Maximum Loading					
Start Date		02/17/15			
DIMM Voltage		1.5v			
DIMM	S/N	A	B	C	D
CPU1 A1	SV9135	P	P	P	P
CPU1 A2	SV9136	P	P	P	P
CPU1 B1	SV9137	P	P	P	P
CPU1 B2	SV9138	P	P	P	P
CPU1 C1	SV9139	P	P	P	P
CPU1 C2	SV9140	P	P	P	P
CPU1 D1	SV9141	P	P	P	P
CPU1 D2	SV9142	P	P	P	P
CPU2 E1	SV9143	P	P	P	P
CPU2 E2	SV9144	P	P	P	P
CPU2 F1	SV9145	P	P	P	P
CPU2 F2	SV9146	P	P	P	P
CPU2 G1	SV9147	P	P	P	P
CPU2 G2	SV9148	P	P	P	P
CPU2 H1	SV9149	P	P	P	P
CPU2 H2	SV9159	P	P	P	P

4C					
Minimum Loading					
Start Date		2/28/2015			
DIMM Voltage		1.35v			
DIMM	S/N	E	F	G	H
CPU1 A1	SV9135	P	P	P	P
CPU1 A2					
CPU1 B1	SV9136	P	P	P	P
CPU1 B2					
CPU1 C1	SV9137	P	P	P	P
CPU1 C2					
CPU1 D1	SV9138	P	P	P	P
CPU1 D2					
CPU2 E1	SV9139	P	P	P	P
CPU2 E2					
CPU2 F1	SV9140	P	P	P	P
CPU2 F2					
CPU2 G1	SV9141	P	P	P	P
CPU2 G2					
CPU2 H1	SV9142	P	P	P	P
CPU2 H2					

4C					
Maximum Loading					
Start Date		02/20/15			
DIMM Voltage		1.35v			
DIMM	S/N	E	F	G	H
CPU1 A1	SV9135	P	P	P	P
CPU1 A2	SV9136	P	P	P	P
CPU1 B1	SV9137	P	P	P	P
CPU1 B2	SV9138	P	P	P	P
CPU1 C1	SV9139	P	P	P	P
CPU1 C2	SV9140	P	P	P	P
CPU1 D1	SV9141	P	P	P	P
CPU1 D2	SV9142	P	P	P	P
CPU2 E1	SV9143	P	P	P	P
CPU2 E2	SV9144	P	P	P	P
CPU2 F1	SV9145	P	P	P	P
CPU2 F2	SV9146	P	P	P	P
CPU2 G1	SV9147	P	P	P	P
CPU2 G2	SV9148	P	P	P	P
CPU2 H1	SV9149	P	P	P	P
CPU2 H2	SV9150	P	P	P	P