



Advanced Validation Labs, Inc.

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Intel PCSD Server Memory Compatibility Test Certificate	
Test System: Intel S2600WT (Wildcat Pass)	Test Result: Pass

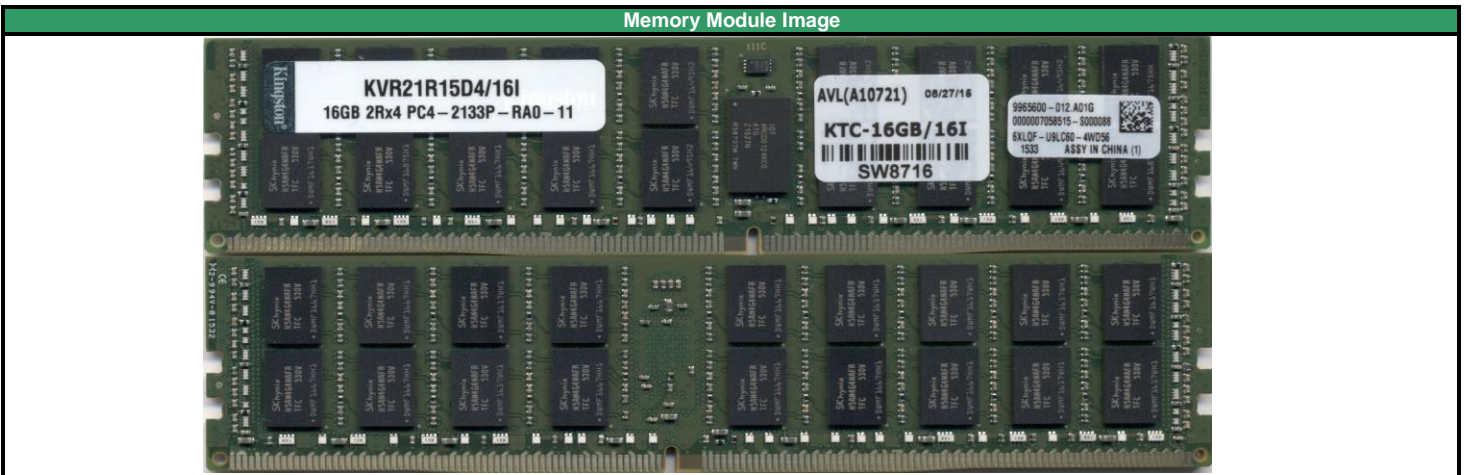
Leveraged System(s):N/A

Modules Information									
DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KVR21R15D4/16I	RDIMM	1.2V	16GB	2Gx72	2133	15	A	DR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code			Register Vendor / Rev.		DIMM Composition		
SK Hynix	H5AN4G4NAFR-TFC	4Gb	1024Mx4bit	1530	IDT	C0	(1024Mx4)*2*72		

Leveraged Memory Modules						
Vendor	Type	Voltage	CL	Speed		
1 Kingston	KVR21R15D4K4/64I	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	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
6. Power Cycle	Test each corner for 50 cycle in room temp	Pass	
Note:			



AVL USE ONLY:							
Completed by:	Sean Lu	Completion Date:	09/14/2015	AVL A#	A10721	AVL W/O	WD4072
Comments:							

Test Results

4C					
Minimum Loading					
Start Date		8/27/2015			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SW8740	P	P	P	P
CPU1 A2					
CPU1 A3					
CPU1 B1	SW8741	P	P	P	P
CPU1 B2					
CPU1 B3					
CPU1 C1	SW8742	P	P	P	P
CPU1 C2					
CPU1 C3					
CPU1 D1	SW8743	P	P	P	P
CPU1 D2					
CPU1 D3					
CPU2 E1	SW8744	P	P	P	P
CPU2 E2					
CPU2 E3					
CPU2 F1	SW8745	P	P	P	P
CPU2 F2					
CPU2 F3					
CPU2 G1	SW8746	P	P	P	P
CPU2 G2					
CPU2 G3					
CPU2 H1	SW8747	P	P	P	P
CPU2 H2					
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Middle Loading					
Start Date		09/01/15			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SW8748	P	P	P	P
CPU1 A2	SW8749	P	P	P	P
CPU1 A3					
CPU1 B1	SW8750	P	P	P	P
CPU1 B2	SW8751	P	P	P	P
CPU1 B3					
CPU1 C1	SW8752	P	P	P	P
CPU1 C2	SW8753	P	P	P	P
CPU1 C3					
CPU1 D1	SW8754	P	P	P	P
CPU1 D2	SW8755	P	P	P	P
CPU1 D3					
CPU2 E1	SW8756	P	P	P	P
CPU2 E2	SW8757	P	P	P	P
CPU2 E3					
CPU2 F1	SW8758	P	P	P	P
CPU2 F2	SW8759	P	P	P	P
CPU2 F3					
CPU2 G1	SW8760	P	P	P	P
CPU2 G2	SW8761	P	P	P	P
CPU2 G3					
CPU2 H1	SW8762	P	P	P	P
CPU2 H2	SW8763	P	P	P	P
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Maximum Loading					
Start Date		9/10/2015			
DIMM Voltage		1.22v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SW8716	P	P	P	P
CPU1 A2	SW8717	P	P	P	P
CPU1 A3	SW8718	P	P	P	P
CPU1 B1	SW8719	P	P	P	P
CPU1 B2	SW8720	P	P	P	P
CPU1 B3	SW8721	P	P	P	P
CPU1 C1	SW8722	P	P	P	P
CPU1 C2	SW8723	P	P	P	P
CPU1 C3	SW8724	P	P	P	P
CPU1 D1	SW8725	P	P	P	P
CPU1 D2	SW8726	P	P	P	P
CPU1 D3	SW8727	P	P	P	P
CPU2 E1	SW8728	P	P	P	P
CPU2 E2	SW8729	P	P	P	P
CPU2 E3	SW8730	P	P	P	P
CPU2 F1	SW8731	P	P	P	P
CPU2 F2	SW8732	P	P	P	P
CPU2 F3	SW8733	P	P	P	P
CPU2 G1	SW8734	P	P	P	P
CPU2 G2	SW8735	P	P	P	P
CPU2 G3	SW8736	P	P	P	P
CPU2 H1	SW8737	P	P	P	P
CPU2 H2	SW8738	P	P	P	P
CPU2 H3	SW8739	P	P	P	P
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P