



Advanced Validation Labs, Inc.

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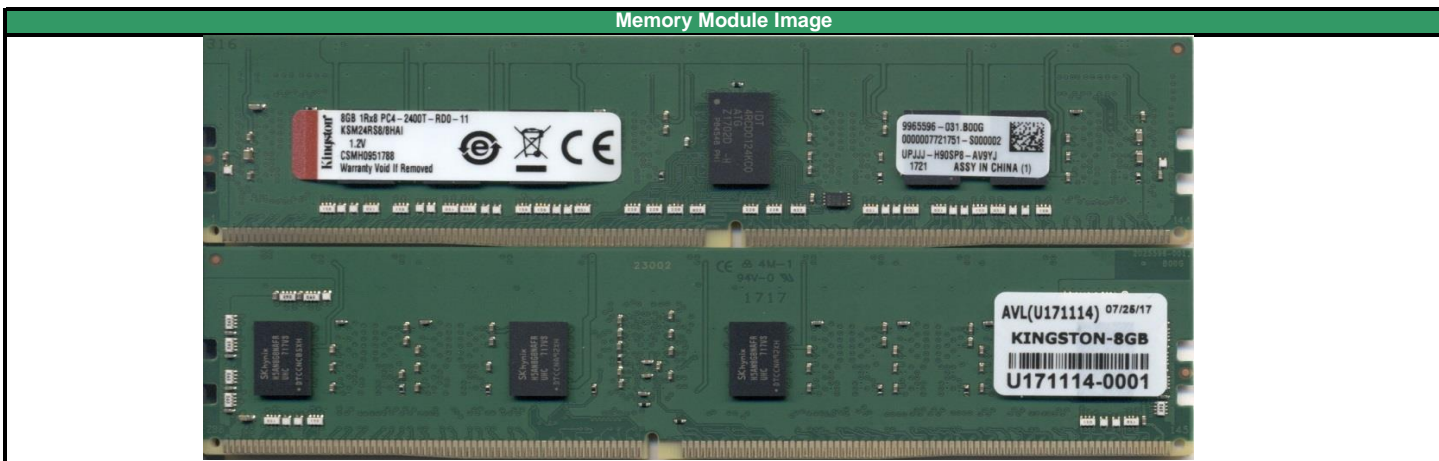
Intel PCSD Server Memory Compatibility Test Certificate	
Test System: Intel S2600WF (Wolf Pass)	Test Result: Pass

Leveraged System(s): R1208WFTYS, R1304WF, R1304WF0YS, R1304WFTYS, R2000WF, R2208WF0ZS, R2208WFTZS, R2224WFTZS, R2308WFTZS, R2312WF0NP, R2312WFTZS, S2600WF0, S2600WFQ, S2600WFT

Modules Information									
DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KSM24RS8/8HA1	RDIMM	1.2V	8GB	1Gx72	2400	17	D	SR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code		Register Vendor / Rev.		DIMM Composition			
SK Hynix	H5AN8G8NAFR-UHC	8Gb		1024Mx8bit		IDT	C0		(1024Mx8)*72

System Configuration		
SETUP	System #1	System #2
AVL S/N	WP390	WP305
System S/N	BQWF71100390	BQWF71100305
Board Rev. (PBA)	H87179-710	
CPU Type	E5-2690 v4 / 2.60 GHz	
Chipset	C610	
BIOS	0X.01.0008	
BMC / ME	1.02 / 04.00.03.211	
FUR/SDR	1.02	
OS	Windows Server 2012 R2	
Test Tool	iVVSS 2.7.0, 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 Hot Pass
4. Memory Stress		HVDD Cold Pass
5. Memory Stress		LVDD Hot Pass
6. Memory Stress		LVDD Cold Pass
Note:		



AVL USE ONLY:							
Completed by:	Andy Chang	Completion Date:	10/24/2017	AVL A#	U171114	AVL W/O	WF0163
Comments:							

Test Results

4C					
Minimum Loading					
Start Date		10/20/2017			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	14-0001	P	P	P	P
CPU1 A2					
CPU1 B1	14-0002	P	P	P	P
CPU1 B2					
CPU1 C1	14-0003	P	P	P	P
CPU1 C2					
CPU1 D1	14-0004	P	P	P	P
CPU1 D2					
CPU2 E1	14-0005	P	P	P	P
CPU2 E2					
CPU2 F1	14-0006	P	P	P	P
CPU2 F2					
CPU2 G1	15-0001	P	P	P	P
CPU2 G2					
CPU2 H1	15-0002	P	P	P	P
CPU2 H2					
CPU2 I1	15-0003	P	P	P	P
CPU2 I2					
CPU2 J1	15-0006	P	P	P	P
CPU2 J2					
CPU2 K1	15-0007	P	P	P	P
CPU2 K2					
CPU2 L1	15-0008	P	P	P	P
CPU2 L2					

4C					
Maximum Loading					
Start Date		10/20/17			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	14-0001	P	P	P	P
CPU1 A2	14-0002	P	P	P	P
CPU1 B1	14-0003	P	P	P	P
CPU1 B2	14-0004	P	P	P	P
CPU1 C1	14-0005	P	P	P	P
CPU1 C2	14-0006	P	P	P	P
CPU1 D1	14-0007	P	P	P	P
CPU1 D2	14-0008	P	P	P	P
CPU2 E1	14-0009	P	P	P	P
CPU2 E2	14-0010	P	P	P	P
CPU2 F1	14-0011	P	P	P	P
CPU2 F2	14-0012	P	P	P	P
CPU2 G1	15-0001	P	P	P	P
CPU2 G2	15-0002	P	P	P	P
CPU2 H1	15-0003	P	P	P	P
CPU2 H2	15-0004	P	P	P	P
CPU2 I1	15-0005	P	P	P	P
CPU2 I2	15-0006	P	P	P	P
CPU2 J1	15-0007	P	P	P	P
CPU2 J2	15-0008	P	P	P	P
CPU2 K1	15-0009	P	P	P	P
CPU2 K2	15-0010	P	P	P	P
CPU2 L1	15-0011	P	P	P	P
CPU2 L2	15-0012	P	P	P	P