

SMART Memory Test Lab Report



MOTHERBOARD	MANUFACTURER	CHIPSET	TEST NUMBER	TEST STATUS			
X10DRi	SUPERMICRO®	Intel® C612	SMTL0315	PASS			
Module Information							
Manufacturer Name:	SMART MODULAR TECH	Module Type:	DDR4 Registered ECC DIMM				
Manufacturer P/N:	SE4097RD420472SB	CAS Latency:	C17-17-17 @2400				
Memory Capacity:	32GB	Assembly Type:	SINGLE BOARD NON STACKED				
Module Configuration:	8 PER CPU/16 TOTAL	Low Profile:	NO				
DRAM Supplier:	SAMSUNG	Register P/N:	IDT 4RCD0124KC0 ATG				
DRAM Part Number:	K4A8G04 5WB BCRC	PLL P/N:	N/A				
PCB Part Number:	PH5CG288NMSLBA1	Dual Die Package:	MONOLITHIC				
PCB Layer Count:	6	Comment:					
MINIMUM SYSTEM INFORMATION		MAXIMUM SYSTEM INFORMATION					
System Name:	X10DRi	System Name:	X10DRi				
Serial Number:	NM16151S020925	Serial Number:	NM16151S020925				
BIOS Version:	2.1	BIOS Version:	2.1				
Processor Code:	INTEL® XEON E5-2650 V4	Processor Code:	INTEL® XEON E5-2650 V4				
OS Memory Size:	256GB	OS Memory Size:	512GB				
OS Version:	LINUX 3.8.1x86_64	OS Version:	LINUX 3.8.1.x86_64				
Test Version:	R4.1C HPL LINPACK_11.0.3	Test Version:	R4.1C HPL LINPACK_11.0.3				
Comment:		Comment:					
PRE-TESTING INFORMATION		TESTING DETAILS VOLT NOMINAL		TESTING DETAILS VOLT NOMINAL			
Board Revision:	REV 1.02B	Temperature:	40C	Time:	12Hr		
Insertion Test:	PASS	Start Date:	12/18/2016		Temperature:	0C	
SPD Check:	PASS	Stop Date:	12/12/2016		Time:	12Hr	
DDR Speed Check:	PASS	HPL Test Status:	PASS		Start Date:	12/18/2016	
Boot Time:	1 MIN	Speed / Volts Light:	2400 / 1.2V		Stop Date:	12/12/2016	
		Speed / Volts Heavy:	2133/ 1.2V		HPL Test Status:	PASS	
		Summary Min:	P		DDR Speed Light:	2400 / 1.2V	
		Summary Max:	P		DDR Speed Heavy:	2133 / 1.2V	
Voltage Margining Info					Summary Min:	P	
Volt %					Summary Max:	P	
Volt Low							
Volt High							
		Test Status:	PASS		Test Status:	PASS	
Serial Number List							
1) SFR2016071401106	2) SFR2016071401108	3) SFR2016071401109	4) SFR2016071401110				
5) SFR2016071401112	6) SFR2016071401114	7) SFR2016071401115	8) SFR2016071401116				
9) SFR2016071401117	10) SFR2016071401118	11) SFR2016071401120	12) SFR2016071401121				
13) SFR2016071401122	14) SFR2016071401123	15) SFR2016071401124	16) SFR2016071401125				
17)	18)	19)	20)				
21)	22)	23)	24)				
CONTACT INFORMATION							
Contact:	Arthur Sainio	Phone:	1-510-624-8126		e-mail:	arthur.sainio@smartm.com	
Test Traveler Notes:					VERIFICATION		
PC4 19200 RDIMM SYSTEM VOLTAGE SET AT 1.2 VOLTS NOMINAL					Verified by: ARTHUR SAINIO		
Light DDR Speed @ 1.2 Volt: 32.77A 2400MHz							
Heavy DDR Speed @ 1.2 Volt: 47.55A 2133MHz							
Test Technician: Mark Durand							

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