

# SMART Memory Test Lab Report



MOTHERBOARD	MANUFACTURER	CHIPSET	TEST NUMBER	TEST STATUS
X10DRW-i	SUPERMICRO®	Intel® C612	SMTL0317	PASS

Module Information			
Manufacturer Name:	SMART MODULAR TECH	Module Type:	DDR4 Registered ECC DIMM
Manufacturer P/N:	SH5127RD451872-HA	CAS Latency:	C17-17-17 @2400
Memory Capacity:	4GB	Assembly Type:	SINGLE BOARD NON STACKED
Module Configuration:	8 PER CPU/16 TOTAL	Low Profile:	NO
DRAM Supplier:	SKHYNIX	Register P/N:	MONTAGE M88DDR4RCD01 4C38370.11
DRAM Part Number:	H5AN4G8NAFR UHC 627V	PLL P/N:	N/A
PCB Part Number:	1630-3G	Dual Die Package:	MONOLITHIC
PCB Layer Count:	6	Comment:	

MINIMUM SYSTEM INFORMATION		MAXIMUM SYSTEM INFORMATION	
System Name:	X10DRW-i	System Name:	X10DRW-i
Serial Number:	NM154S010037	Serial Number:	NM154S010037
BIOS Version:	2.0a	BIOS Version:	2.0a
Processor Code:	INTEL® XEON E5-2608L V3	Processor Code:	INTEL® XEON E5-2608L V3
OS Memory Size:	64GB	OS Memory Size:	128GB
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 1.02	Temperature:	40C	Time:	12Hr
Insertion Test:	PASS	Start Date:	1/6/2017	Temperature:	0C
SPD Check:	PASS	Stop Date:	1/11/2017	Time:	12Hr
DDR Speed Check:	PASS	HPL Test Status:	PASS	Start Date:	1/16/2017
Boot Time:	1 MIN	Speed / Volts Light:	1866 / 1.2V	Stop Date:	1/11/2017
		Speed / Volts Heavy:	1866 / 1.2V	HPL Test Status:	PASS
		Summary Min:	P	DDR Speed Light:	1866 / 1.2V
		Summary Max:	P	DDR Speed Heavy:	1866 / 1.2V
				Summary Min:	P
				Summary Max:	P
<b>Voltage Margining Info</b>					
Volt %					
Volt Low					
Volt High					
		Test Status:	PASS	Test Status:	PASS

Serial Number List			
1) SFR2017010396370	2) SFR2017010396371	3) SFR2017010396372	4) SFR2017010396373
5) SFR2017010396374	6) SFR2017010396375	7) SFR2017010396376	8) SFR2017010396378
9) SFR2017010396379	10) SFR2017010396380	11) SFR2017010396381	12) SFR2017010396382
13) SFR2017010396383	14) SFR2017010396384	15) SFR2017010396385	16) SFR2017010396386
17)	18)	19)	20)
21)	22)	23)	24)

CONTACT INFORMATION			
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Test Traveler Notes:		VERIFICATION	
PC4 19200 SYSTEM VOLTAGE SET AT 1.2 VOLTS NOMINAL		Verified by: ARTHUR SAINIO	
Light DDR Speed @ 1.2 Volt: 11.51A 1866MHz/PC4 14900			
Heavy DDR Speed @ 1.2 Volt: 17.62A 1866MHz/PC4 14900			
Test Technician:	Mark Durand		

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