

SMART Memory Test Lab Report



MOTHERBOARD	MANUFACTURER	CHIPSET	TEST NUMBER	TEST STATUS
X10DRW-i	SUPERMICRO®	Intel® C612	SMTL0306	PASS

Module Information

Manufacturer Name:	SMART MODULAR TECH	Module Type:	DDR4 Registered ECC DIMM
Manufacturer P/N:	SH2047RD410451-HA	CAS Latency:	C15-15-15
Memory Capacity:	16GB	Assembly Type:	SINGLE BOARD NON STACKED
Module Configuration:	12 PER CPU/24 TOTAL	Low Profile:	NO
DRAM Supplier:	SKHYNIX	Register P/N:	IDT 4RCD0124KC0 ATG
DRAM Part Number:	H5AN4GNAFR TFC	PLL P/N:	N/A
PCB Part Number:	MD007502	Dual Die Package:	MONOLITHIC
PCB Layer Count:	6	Comment:	

MINIMUM SYSTEM INFORMATION

System Name:	X10DRW-i
Serial Number:	NM154S010037
BIOS Version:	1.0C
Processor Code:	INTEL® XEON E5-2608L V3
OS Memory Size:	128GB
OS Version:	LINUX 3.8.1.x86_64
Test Version:	R4.0Y HPL LINPACK_11.0.3
Comment:	

MAXIMUM SYSTEM INFORMATION

System Name:	X10DRW-i
Serial Number:	NM154S010037
BIOS Version:	1.0C
Processor Code:	INTEL® XEON E5-2608L V3
OS Memory Size:	256GB
OS Version:	LINUX 3.8.1.x86_64
Test Version:	R4.0Y HPL LINPACK_11.0.3
Comment:	

PRE-TESTING INFORMATION

Board Revision:	REV 1.02
Insertion Test:	PASS
SPD Check:	PASS
DDR Speed Check:	PASS
Boot Time:	1 MIN

Voltage Margining Info

Volt %	+/-3%
Volt Low	1.16 volt
Volt High	1.24 volt

TESTING DETAILS VOLT NOMINAL

Temperature:	45C	Time:	12HRS
Start Date:			9/16/2015
Stop Date:			9/17/2015
HPL Test Status:			PASS
Speed / Volts Light:			2133 / 1.2V
Speed / Volts Heavy:			1866 / 1.2V
Summary Min:			P
Summary Max:			P

Test Status: PASS

TESTING DETAILS VOLT NOMINAL

Temperature:		Time:	12HRS
Start Date:			
Stop Date:			
HPL Test Status:			
DDR Speed Light:			
DDR Speed Heavy:			
Summary Min:			
Summary Max:			

Test Status: PASS

Serial Number List

1) SFR2015091033765	2) SFR2015091033766	3) SFR2015091033767	4) SFR2015091033768
5) SFR2015091033769	6) SFR2015091033770	7) SFR2015091033771	8) SFR2015091033772
9) SFR2015091033775	10) SFR2015091033776	11) SFR2015091033777	12) SFR2015091033779
13) SFR2015091033780	14) SFR2015091033781	15) SFR2015091033782	16) SFR2015091033783

CONTACT INFORMATION

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Test Traveler Notes:

VERIFICATION

SYSTEM VOLTAGE SET AT 1.2 VOLTS NOMINAL

Light DDR Speed @ Volt: 10.40A 2133 MHz
Heavy DDR Speed @ Volt: 20.38A 1866 MHz

Test Technician: Mark Durand

Verified by: ARTHUR SAINIO

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