

Thermal / Mechanical Test Memo (pre-report) Engr: W.Brokaw Date: 15June01

Intel motherboard: **X Tupelo – STL2** Cypress Pine Hemlock

PASS

Component Description	Quantity	Manufacturer	Model Number	Serial Number
Chassis	1	Siliconrax-Sliger	SR-CX246	
Server board	1	Intel	STL2	indeterminate
1 GHz Pentium III	2	Intel	Pentium III (FC-PGA)	indeterminate
PC100 SDRAM DIMMS-256Mbytes	4	SEC	PC-100 322-620	indeterminate
Hard Drives	3	Seagate	ST328451 LC	3CC01E3H,E17,9PA
CD-ROM*	1	Indeterminate	Indeterminate	Indeterminate
Floppy Drive*	1	Indeterminate	Indeterminate	Indeterminate
RAID Card	1	Intel	BOXSRCU31L	INGW02600045
Power Supply (300w)	2	Elan Vital	EVR-3006	A1010100025,26
System fan (s) (size in mm)				
Intake fans (80mm)	2	Chieftec	FD12401035-1A	indeterminate
Internal/Exhaust (80mm)	1	Nidec	D08T-12PU	0Y17Y
Exhaust fans (mm)	0	N/A	N/A	N/A
Power supply – intake (40)	2	Indeterminate	indeterminate	indeterminate

Note: * CD-ROM and FDU supplied by Siliconrax-Sliger and are half-height format and not contributors to thermal load

Test Points	Max Specified Temp Limit (C)	Measurements @ 35C	Margin (C)
Processor Test			
Primary Processor	70C-Ti-3.8C offset=66.2C	65.5	0.7
Secondary Processor	70C-Ti-3.8C offset=66.2C	65.3	0.9
Primary Processor Ambient	N/A	44.2	N/A
Secondary Processor Ambient	N/A	49.1	N/A
Disk Stress Test			
Disk#0 HDA	65.0	53.0	12.0
Disk#1 HDA	65.0	50.5	14.5
Disk#2 HDA	65.0	50.2	14.8

Mechanical Notes: Rear I/O panel made of dimensional metal clearanced for cable strain relief standoffs.

Peripheral bays	Internal SCA	External	Internal
3.5"	4	0	1 half height FDU
5.25"	0	0	1half height CD-ROM

Chassis Dimensions: L 26" W 17" H 3.5"
 Chassis Type: Full tower___ Midtower___, **2 U rackmount_X_**, Fileserver___ other_____
 Company Address Siliconrax-Sliger and is located at:
 44200 Christy Street
 Fremont, California 94538