

Intel®
For RPG Chassis tested List
Thermal Measurement Data Sheet

Test Place: Taipei Thermal Lab
 Test Date: 2007/8/1
 Test By: Circle Cheng / Rick Chen

Chassis Information			
Suppliers	G-Alantic Taiwan	Liter	5L
Model Number	mini-ITX	Orientation	Desktop

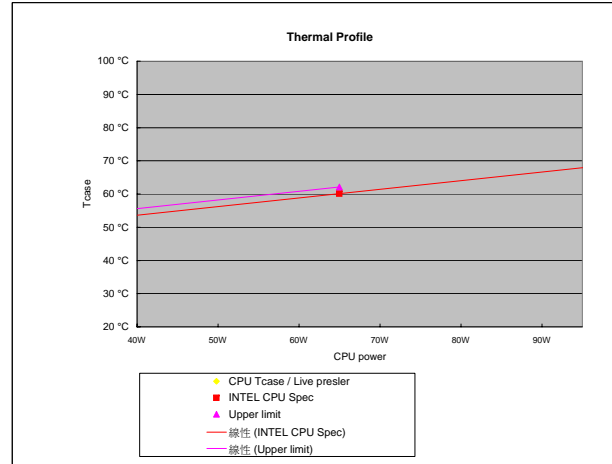
Chassis Configuration				
Dimension	Length	300.0 mm	Bezel	-
	Width	273.0 mm	HDD	x1
	Height	65.0 mm	ODD	x1
Support MB	mini-ITX		FDD	x1
Support TMA	N/A		AFG(Air Duct)	No
Riser-card	N/A		PSU Type	Adaptor
card reader	N/A		FPIO	Yes

EUT Configuration					
CPU / Type			HDD	#1	WD / WD800JB-00JJC0
	Type	-		#2	-
TMA	Fan / date code	-		#3	-
	TIM	-		#1	TEAC CORPORATION / DV-28E
MB / Version / date code			ODD	#2	-
BIOS / Version				#3	-
DDR No. / Total Size	S12M DDR2 667MHz x1		Adaptor	Supplier	G-ALANTTC ENTERPRISE CO., LTD.
System Fan No.	N/A			Model / date code	AD-80
Card-reader	N/A			Fan / date code	N/A
Riser card	N/A		Graphic Card	Supplier	N/A
FDD	N/A			Model / date code	N/A
FPIO	N/A			Fan / date code	N/A



Test Conditions	
Operation system	WinXP
Chamber temperature setting	35.0 °C
Chamber humidity setting	50%
Test Mode	CPU Stress
Stress program	Maxpower 100%
Test Place	Chamber
Orientation	Desktop

Test Results				
	Measured	Shift to 35deg	Spec.	Remarks
System inlet temperature 1	35.10	35.00 °C		
System inlet temperature 2		35.00 °C		
CPU ambient	#1	-0.10 °C		
	#2	-0.10 °C		
	#3	-0.10 °C		
	#4	-0.10 °C		
	Average	0.00 °C	-0.10 °C	35.5 ±1
CPU Tcase	67.40 °C	67.30 °C	-	Primary Spec.
CPU TMA outlet	-	#VALUE!		
VR Tcase	-	-		
MCH Tcase	87.30 °C	87.20 °C		
ICH Tcase	#1-1	50.70 °C	50.60 °C	
	#1-2	43.60 °C	43.50 °C	
	#1-3	56.80 °C	56.70 °C	
	#2-1	55.20 °C	55.10 °C	
	#2-2	-	#VALUE!	
DDR Tamb	#2-3	-	#VALUE!	
	#1	-	-	
	#2	-	-	
FDD Tcase	-	-		
HDD Tamb	#1	34.30 °C	34.20 °C	
	#2	45.70 °C	45.60 °C	
ODD Tamb	#1	40.40 °C	40.30 °C	
	#2	43.80 °C	43.70 °C	
Grpche Card / GPU Tamb /PCI-e#3	-	-		
DC / DC #1	46.50 °C	46.40 °C		
DC / DC #2	49.60 °C	49.50 °C		
DC / DC #3	42.90 °C	42.80 °C		



CPU power dissipation & Tcase	
CPU Tcase Spec.	
MCH T-junction Spec.	105.0 °C
ICH Tcase Spec.	85.00 °C
Tolerance(Gap -- CPU (Tcase-Tspec.)	
Tolerance(Gap -- MCH (Tcase-Tspec.)	-17.80 °C
Tolerance(Gap -- ICH (Tcase-Tspec.)	-34.40 °C
System Fan Speed	N/A
Conclusion	
Remarks	No System Fan Slim Type ODD

Legend:
 Component is failed
 Component is Passed
 Component is at margin (spec. ± 1 deg)

Intel CPU Spec	Y=
05A *	X= Power (w) Y= Tcase (C) Upper limit
	0 43.2 45.2
	65 60.1 62.1

* refer to "Prestler Processor Electrical, Mechanical, and Thermal Specifications (EMTS) rev:2.0"