

Report NO: 10P010015

AHP-1070

P5 Test Report

Summary	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail Note : There is/are ___ defect(s) not list in the report, please check it in the DTS Website. <input type="checkbox"/> Pass with Deviation Comment: _____			
	Test Result Summary			
	Critical	Major	Minor	Enhancement
Defect Found	0	0	0	0
Defect Unsolved	0	0	0	0

Issue date	Approval	Test Engineer
2010/11/02	Jansin Lee	Leo Liu

Platform Information:

Product Model	AHP-1070 A1.0
Description	AHP-1070 Fanless Touch Panel with TI OMAP
Test Configuration	<input checked="" type="checkbox"/> New product : <input checked="" type="checkbox"/> PCB Board : GENE-1350 A0.3 <input type="checkbox"/> Carrier Board : N/A <input type="checkbox"/> BIOS : N/A <input checked="" type="checkbox"/> Chipset : TI OMAP3530DCUS <input checked="" type="checkbox"/> VGA Chipset : Integrated in TI OMAP 3 processor <input checked="" type="checkbox"/> Audio Chipset : Philips UCB 1400 <input checked="" type="checkbox"/> Ethernet Chipset : 10/100 Base-T, Davicom DM9000AEP <input checked="" type="checkbox"/> Remark : QE NPDP P5 Report for AHP-1070

Item	Device Information	Test Item
PCB Model / Version	GENE-1350 A0.3	1,2,3
BIOS / Version	N/A	
CPU Type	TI OMAP 3530	1,2,3
Memory Type	Onboard 128 MB DDR RAM	1,2,3
SATA HDD	N/A	
CRT	N/A	
LCD	Ampire 7" (AM-800480E2TMQ)	1,2,3
Compact Flash	N/A	
Riser Card	N/A	
Backplane	N/A	
OS Install	Windows CE 6.0 English Version	1,2,3
Power Supply	DC Adapter: FSP 12V(FSP036-1AD101C)	1,2,3

Test Result for Certification

1. System Clock & RTC Clock Test

Item Function	Time Interval	Margin for error	Actual	Result			Note
				Pass	Fail	N/A	
RTC Clock in Power On Mode	24 hrs	+/-3 sec	+2 Sec	X			
RTC Clock in Power Off Mode	24 hrs	+/-3 sec	+2 Sec	X			

2. I/O Peripheral Function Test

I/O Peripheral Function Test –I/O Function	Result			
	Pass	Fail	N/A	Notes
Floppy Connector / Driver A:			X	
EIDE Connector			X	
Compact Flash			X	
DOC (Disk On Chip)			X	
DOM (Disk On Module) – 40 Pin			X	
DOM (Disk On Module) – 44 Pin			X	
COM 1- 232	X			
COM 2-232	X			
COM 2-Ring /+5V /+12V			X	
PS/2 Mouse & Keyboard (Internal)			X	
PS/2 Mouse & Keyboard (External)			X	
Audio Connector			X	
LPT 1			X	
JTAG Connector			X	
UART Funcion (CN8)			X	
RTC Battery Connector			X	
USB 1&2 Ports	X			
USB 2.0 1 & 2 Ports	X			
USB OTG Connector			X	CN24
DVI Function			X	
VGA Function	X			
DIO Connector			X	
PC/104			X	
PC/104-Plus			X	
PCI-104			X	
TFT TTL LCD			X	
TFT LVDS LCD			X	
TV-out / S Terminal			X	
TV-out / AV Terminal			X	
Touch Screen – 4 Wire	X			
Touch Screen – 5 Wire			X	
DIMM Slots			X	
Watchdog IRQ n			X	
Watchdog Software Control	X			
CPU FAN Connector			X	
System FAN Connector			X	
Power Connector & Function	Result			
	Pass	Fail	N/A	Notes

ATX Power Connector			X	
ATX Power_12V Connector			X	
AT Power Connector (P8 & P9)			X	
Big 2P Power Connector (Input 12V)	X			
Mini 4P Power Connector			X	
External Power Connector (-12/-5V)			X	
Option ATX Power Connector (PS-ON / +5VSB)			X	
I/O Peripheral Function Test – PCI Connector & Function	Result			
	Pass	Fail	N/A	Notes
PCI Slots			X	
PCI Express			X	
Mini PCI			X	
Mini PCI-E(RD Provide:VIA VNT6656GEV00)			X	

3. Hardware Compatibility (O.S is Windows CE 6.0)

On Board Audio Function Test					
Audio Basic Function Test		Result			
		Pass	Fail	N/A	Notes
System Sound		X			
Play Sound Recorder				X	
Line Out				X	
Line In				X	
Line In Sound Record				X	
MIC Speaker		Dynamic		X	
		Condenser		X	
MIC Sound Recorder		Dynamic		X	
		Condenser		X	
Audio 5.1 Channel with S/P DIF Function Test		Result			
		Pass	Fail	N/A	Notes
2-channel mode for stereo speaker output				X	
4-channel mode for 4 speaker output				X	
6-channel mode for 5.1 speaker output				X	
S/P DIF function Test		Input		X	
		Output		X	
USB Basic Function Test		Result			
		Pass	Fail	N/A	Notes
USB Controller				X	
USB 2.0 Controller				X	
USB Keyboard Support		X			

USB Mouse Support	X			
USB 1.1 Compatible Test	Result			
	Pass	Fail	N/A	Notes
USB 1.1 Compatible Test	X			
USB 2.0 Compatible Test	Result			
	Pass	Fail	N/A	Notes
USB 2.0 Compatible Test	X			
Floppy Disk Controller Function Test	Result			
	Pass	Fail	N/A	Notes
Copy and compare file between C: and A / B:			X	
Change Floppy to None value			X	
Swap FDD			X	
Peripheral Compatibility-Storage Device				
Model	Interface	Result		
		Pass	Fail	N/A
FUJITSU MCB3064SS	SCSI			X
IO-Mega zip 100 parallel port	Parallel			X
IO-Mega zip 100MB Internal ATAPI Drive	IDE			X
Transcend 4G CF	Type-I CF Card			X
Digital I/O Connector Test under WinCE 6.0 with GPIO Tool	Result			
	Pass	Fail	N/A	Notes
Input Address:			X	
Output Address			X	
DIO-1 Function Test			X	
DIO-2 Function Test			X	
COM/LPT Ports & RS-232/422/485 Function Test	Result			
	Pass	Fail	N/A	Notes
RS-232 for COM1	X			
RS-232 for COM2	X			
COM3			X	
COM4			X	
COM5			X	
COM6			X	
LPT1			X	
LPT2			X	
SD / SDIO CARD Function Test	Result			
	Pass	Fail	N/A	Notes
Kingston 512Mb			X	
Transcend 4GB(SDHC)			X	
Transcend 2GB(MicroSD)			X	CN13
Touch Screen Function Test	Result			
	Pass	Fail	N/A	Notes
Touch Screen 10.2" 4-Wire Data Image FG100260DSSWAGT1(1024 X 600)	X			

Resolution Switching Function Test	Result			
	Pass	Fail	N/A	Notes
320*240			X	
320*234			X	
480*234			X	
640*480			X	
1024*768	X			
CF CARD Function Test	Result			
	Pass	Fail	N/A	Notes
Transcend 4GB(UDMA)			X	
Transcend 4GB(PIO)			X	