

**AHP-1083**

Intel® Atom™ D2550  
1.86 GHz Processor  
Touch Panel PC  
With 8.4" TFT LCD

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## Packing List

Before you begin operating your PC, please make sure that the following materials are enclosed:

- 1 AHP-1083 Touch Panel PC
- 1 Phoenix Terminal Block
- 1 Mounting bracket and screws
- 1 CD-ROM for manual (in PDF format)

If any of these items should be missing or damaged, please contact your distributor or sales representative immediately.

## Safety & Warranty

1. Read these safety instructions carefully.
2. Keep this user's manual for later reference.
3. Disconnect this equipment from any AC outlet before cleaning. Do not use liquid or spray detergents for cleaning. Use a damp cloth.
4. For pluggable equipment, the power outlet must be installed near the equipment and must be easily accessible.
5. Keep this equipment away from humidity.
6. Put this equipment on a firm surface during installation. Dropping it or letting it fall could cause damage.
7. The openings on the enclosure are for air convection. Protect the equipment from overheating. **DO NOT COVER THE OPENINGS.**
8. Make sure the voltage of the power source is correct before connecting the equipment to the power outlet.
9. Position the power cord so that people cannot step on it. Do not place anything over the power cord.
10. All cautions and warnings on the equipment should be noted.
11. If the equipment is not used for a long time, disconnect it from the power source to avoid damage by transient over-voltage.
12. Never pour any liquid into an opening. This could cause fire or electrical shock.
13. Never open the equipment. For safety reasons, only qualified service personnel should open the equipment.
14. If any of the following situations arises, get the equipment checked by service personnel:
  - a. The power cord or plug is damaged.
  - b. Liquid has penetrated into the equipment.
  - c. The equipment has been exposed to moisture.

- d. The equipment does not work well, or you cannot get it to work according to the user's manual.
  - e. The equipment has been dropped and damaged.
  - f. The equipment has obvious signs of breakage.
15. DO NOT LEAVE THIS EQUIPMENT IN AN ENVIRONMENT WHERE THE STORAGE TEMPERATURE IS BELOW -20°C (-4°F) OR ABOVE 60°C (140°F). IT MAY DAMAGE THE EQUIPMENT.

## FCC

### **Warning!**



This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

### **Caution:**

*There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions and your local government's recycling or disposal directives.*

## Below Table for China RoHS Requirements

产品中有毒有害物质或元素名称及含量

## AAEON Panel PC/ Workstation

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板 及其电子组件	×	○	○	○	○	○
外部信号 连接器及线材	×	○	○	○	○	○
外壳	×	○	○	○	○	○
中央处理器 与内存	×	○	○	○	○	○
硬盘	×	○	○	○	○	○
液晶模块	×	○	○	○	○	○
光驱	×	○	○	○	○	○
触控模块	×	○	○	○	○	○
电源	×	○	○	○	○	○

**O:** 表示该有毒有害物质在该部件所有均质材料中的含量均在  
SJ/T 11363-2006 标准规定的限量要求以下。

**X:** 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出  
SJ/T 11363-2006 标准规定的限量要求。

备注:

- 一、此产品所标示之环保使用期限，系指在一般正常使用状况下。
- 二、上述部件物质中央处理器、内存、硬盘、光驱、触控模块为选购品。

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Chapter

1

**General  
Information**

## 1.1 Introduction

---

The AHP-1083 operator panel is an Intel® Atom™ D2550 1.86 GHz processor computer that is designed to serve as a human machine interface (HMI). It is a PC-based system with 8.4" color TFT LCD display, onboard Ethernet controller, multi-COM port interfaces and an audio controller. With a built-in CFast socket, the AHP-1083 is as compact and user friendly as a multi-function computer. In addition, its "fit anywhere" design makes it very flexible and able to be used in many different kinds of installations. It can be VESA 75 mounted or Panel mounted.

For system integrators, this simple, complete, compact and highly integrated system let you easily build an operator panel into your applications. Common industrial applications include factory automation systems, precision machinery, and production process control. It is also suitable for many non-industrial applications, including vending machine, and car park automation. Our operator panel is a reliable, cost-effective solution to your application's processing requirements.

## 1.2 Specification

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### System

- CPU Onboard Intel® Atom™ D2550 1.86 GHz Processor
- System Memory 204pin DDRIII 800/1066 SODIMM x 1, Max. 4GB, default 2GB
- LCD / CRT Controller Intel® NM10 Integrated
- I/O Port USB2.0 x 2  
RS-232 x 1  
RS-232/422/485 x 1  
LAN x 2  
VGA x 1  
Power input x 1  
Power button x 1
- Storage Disk Drive CFAST™ slot x 1 (Easy to swap);  
2.5" SATA HDD bay x 1 (Anti-vibration 1G)
- Expansion Mini card x 1
- OS Support Windows CE 6.0, Windows XP Pro, Windows XP Embedded, Windows 7, Windows Embedded Standard 7, Linux Kernel 2.6.3 or above

## Mechanical

- Construction Plastic front bezel and aluminum back chassis
- Mounting Panel/ VESA
- Dimension 16"(W) x 12.2"(H) x 2.67"(D)  
(407mm x 310.5mm x 67.9mm)
- Carton Size 20.67"(W) x 18.31"(H) x 9.1"(D)  
(4525mm x 465mm x 230mm)
- Net Weight 4.4 lb (2kg)
- Gross Weight 6.16 lb (2.8kg)

## Environmental

- Operating Temperature 32°F ~ 122°F (0°C ~50°C)
- Storage Temperature -4°F~158°F (-20°C~70°C)
- Operating Humidity 5 to 90%@ 40°C, non-condensing
- Vibration 1 Grms / 5~ 500Hz / operation – With HDD  
3 Grms / 5~ 500Hz / operation – With CFast
- Shock 20 G peak acceleration (11 msec. duration) – With HDD
- EMC CE/FCC Class A
- Power Supply DC 12V (Phoenix) (ATX Mode)

**LCD**

- Display Type 8.4", SVGA, 450 nits, LED backlight
- Max. Resolution 800x600
- Max. Colors 262k
- Power Consumption 7.44W
- Response Time (msec) 10
- Interface Single channel LVDS
- Luminance (cd/m<sup>2</sup>) 450 nits
- Contrast Ratio 600:1
- Viewing Angle 80° (H) x 70° (V)
- Backlight MTBF (Hours) 50,000

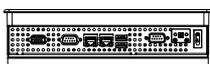
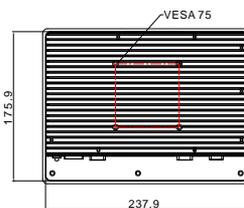
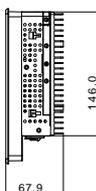
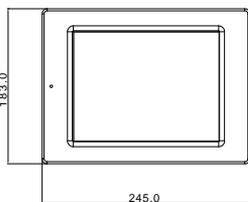
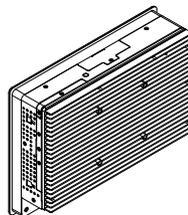
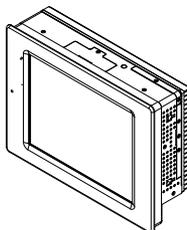
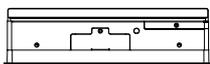
**Touch Screen**

- Type 5-wire analog touch panel
- Light Transmission > 80%
- Lifetime 35 million activations

### 1.3 Dimension

AHP-1083

UNITS:mm



Chapter

2

# Hardware Installation

## 2.1 Panelmount Installation

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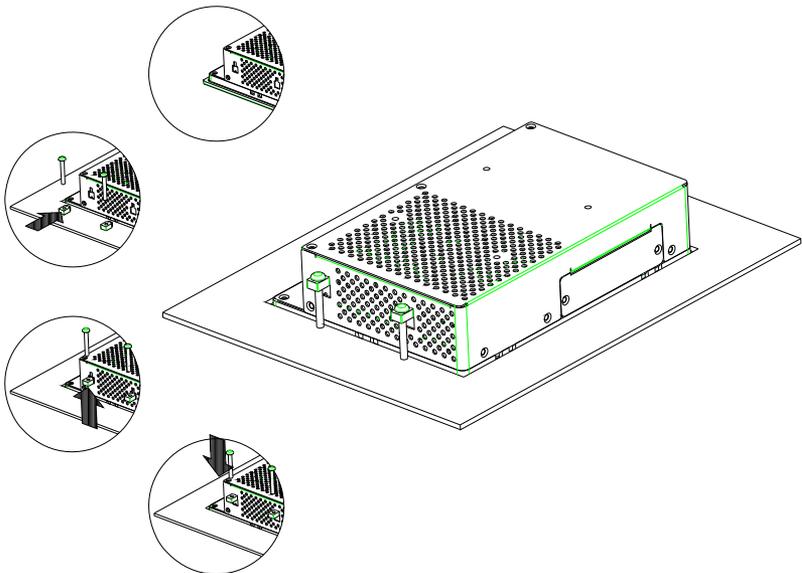
The display panel can be mounted into the wall. You will need the screws along with the mounting brackets, which be packed in the accessory box. Follow the steps below:

Step 1: Place the operator panel into the wall.

Step 2: Place the mounting brackets and bore the screw on it.

Step 3: Screw mounting kits to fix the operator panel.

Step 4: When the mounting set has been tightened, repeat the Steps above and tighten all mounting sets around the monitor until the monitor has been firmly mounted to the wall.



## 2.2 Clear CMOS (JP2)

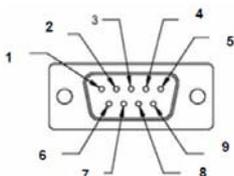
JP2	Function
1-2	Normal (Default)
2-3	Clear CMOS

## 2.3 COM2 RI/+5V/+12V Selection (JP3)

JP3	Function
1-2	+12V
3-4	RI (Default)
5-6	+5V

**Note:** Max. Current rating is 0.5A.

## 2.4 COM Port #2 (CN19)



### RS-232 Mode

Pin	Signal	Pin	Signal
1	DCDB	2	DSRB
3	RXB	4	RTSB
5	TXB	6	CTSB
7	DTRB	8	RIB / +5 Volt. / (+12 Volt.)
9	Ground	10	N/C

### RS-422 Mode

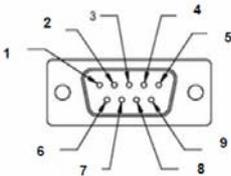
Pin	Signal	Pin	Signal
1	TXD-	2	N/C

3	RXD+	4	N/C
5	TXD+	6	N/C
7	RXD-	8	N/C / +5 Volt. / (+12 Volt.)
9	Ground	10	N/C

**RS-485 Mode**

Pin	Signal	Pin	Signal
1	TXD-	2	N/C
3	N/C	4	N/C
5	TXD+	6	N/C
7	N/C	8	N/C / +5 Volt. / (+12 Volt.)
9	Ground	10	N/C
43	CRT_PLUG#		

**2.5 COM Port #1 (CN33)**

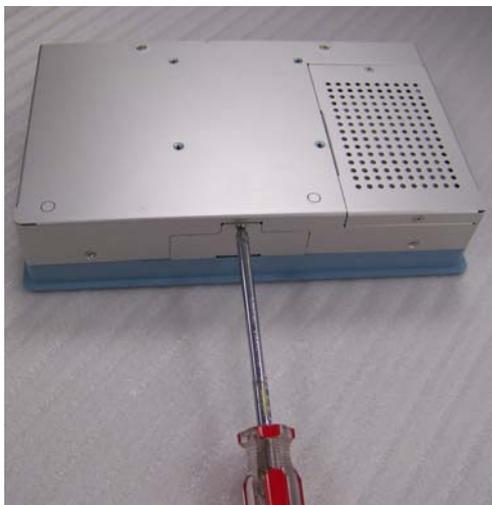


Pin	Signal	Pin	Signal
1	DCDA	2	RXA
3	TXA	4	DTRA
5	Ground	6	DSRA
7	RTSA	8	CTSA
9	RIA		

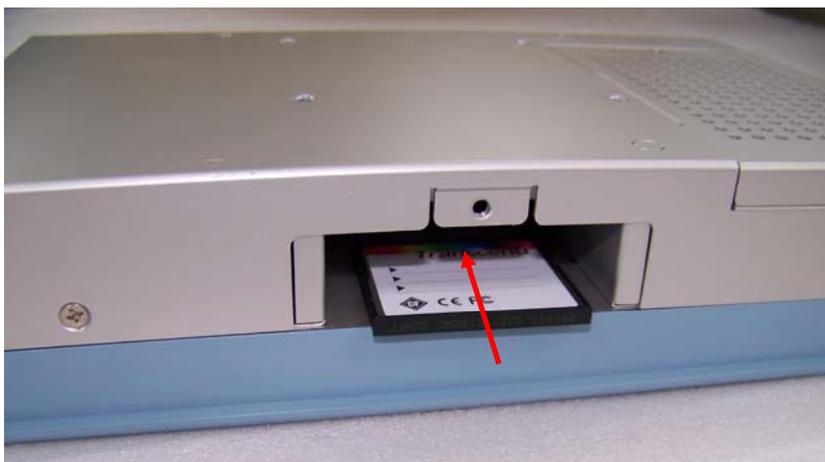
## 2.6 CompactFlash™ Installation

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Step 1: Loose the screw of cover to open the CompactFlash™ Slot



Step 2: Insert the CompactFlash™ to the CompactFlash™ slot



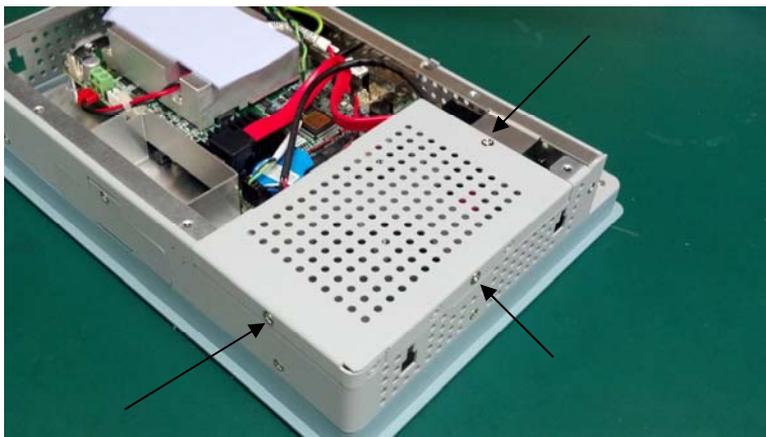
## 2.7 Hard Disk Drive Installation

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Step 1: Loose the eight M3 screws of the rear cover.



Step 2: Loose the three specified M3 screws to get the Hard Disk Drive (HDD) bracket.



Step 3: Insert the HDD to the HDD bracket



Step 4: Fasten the four screws to fasten the HDD and the HDD bracket



Step 5: Connect the SATA cable to the HDD



Chapter

3

**AMI**  
**BIOS Setup**

### 3.1 Setup Menu

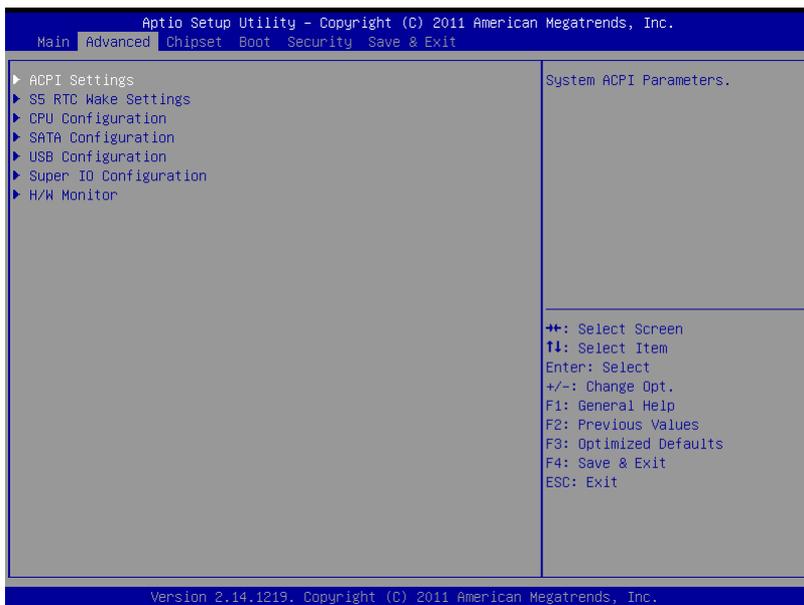
#### Setup submenu: Main

Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc.	
Main Advanced Chipset Boot Security Save & Exit	
BIOS Information AHP-1083 R1.0(A183AM10) (04/02/2013)	Set the Date. Use Tab to switch between Data elements.
BIOS Vendor                    American Megatrends Core Version                    4.6.5.1 Compliancy                      UEFI 2.3; PI 1.2	
System Date                    [Mon 04/02/2013] System Time                    [18:23:50]	++: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
Access Level                    Administrator	
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.	

Options summary: (**default setting**)

System Date	Day MM:DD:YYYY	
Change the month, year and century. The 'Day' is changed automatically.		
System Time	HH : MM : SS	
Change the clock of the system.		

## Setup submenu: Advanced

Options summary: (**default setting**)

ACPI Settings		
System ACPI Parameters		
S5 RTC Wake Settings		
Support S5 RTC Wake Function		
CPU Configuration		
CPU Configuration Parameters		
SATA Configuration		
SATA Device Options Settings		
USB Configuration		

USB Configuration Parameters		
Super IO Configuration		
IT8783 Super IO Configuration Parameters		
H/W Monitor		
Monitor hardware status		

### ACPI Settings

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Advanced

<p>ACPI Settings</p> <p>ACPI Sleep State [S3 (Suspend to RAM)]</p>	<p>Select the highest ACPI sleep state the system will enter when the SUSPEND button is pressed.</p> <hr/> <p>                     ++: Select Screen                      T↓: Select Item                      Enter: Select                      +/-: Change Opt.                      F1: General Help                      F2: Previous Values                      F3: Optimized Defaults                      F4: Save &amp; Exit                      ESC: Exit                 </p>
--	--

Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.

Options summary: **(default setting)**

ACPI Sleep State	Suspend Disabled	
	<b>S3 (Suspend to RAM)</b>	
Select the ACPI state used for System Suspend		

## S5 RTC Wake Settings

Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc.		
Advanced		
Wake system with Fixed Time	[Disabled]	Enable or disable System wake on alarm event. When enabled, System will wake on the hr::min::sec specified
Wake system with Dynamic Time	[Disabled]	
		++: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.		

### Options summary: (*default setting*)

Wake system with Fixed Time	<b>Disabled</b>	
	Enabled	
Enable or disable System wake on alarm event. Wake up time is setting by following settings.		
Wake up day	0-31	
Select 0 for daily system wake up 1-31 for which day of the month that you would like the system to wake up		
Wake up hour	0-23	

Wake up minute	0-59	
Wake up second	0-59	
Wake system with	<b>Disabled</b>	
Dynamic Time	Enabled	
Enable or disable System wake on alarm event. Wake up time is current time + Increase minutes.		
Wake up minute increase	1-5	

## CPU Configuration

Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc.		
Advanced		
CPU Configuration		Enabled for Windows XP and Linux (OS optimized for Hyper-Threading Technology) and Disabled for other OS (OS not optimized for Hyper-Threading Technology).
Processor Type	Intel(R) Atom(TM) CPU Supported	++: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
EMT64	Supported	
Processor Speed	1865 MHz	
System Bus Speed	533 MHz	
Ratio Status	14	
Actual Ratio	14	
System Bus Speed	533 MHz	
Processor Stepping	30661	
Microcode Revision	269	
L1 Cache RAM	2x56 k	
L2 Cache RAM	2x512 k	
Processor Core	Dual	
Hyper-Threading	Supported	
Hyper-Threading	[Enabled]	
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.		

Options summary: *(default setting)*

Hyper-Threading	Disabled	
	<b>Enabled</b>	
CPU Hyper-Threading Technology support or not		

## SATA Configuration

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Advanced

SATA Port0	Not Present	SATA Ports (0-3) Device Names if Present and Enabled.
SATA Port1	Not Present	
SATA Controller(s)	[Enabled]	
Configure SATA as	[IDE]	
Misc Configuration for hard disk		
++: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit		

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Options summary: *(default setting)*

SATA Controller(s)	<b>Enabled</b>	
	Disabled	
SATA Controller Enable/Disable		
SATA Mode	<b>IDE</b>	

	AHCI	
Configure SATA controller operating as IDE/AHCI mode.		
SATA PORTx	<b>Enabled</b>	
	Disabled	
Enable / Disable SATA Portx		
SATA Portx Hot Plug	<b>Enabled</b>	
	Disabled	
Enable / Disable SATA Portx Hot Plug function		

## USB Configuration

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Advanced

<p>USB Configuration</p> <p>USB Devices: 3 Drives, 1 Keyboard, 1 Mouse, 1 Hub</p> <p>Legacy USB Support [Enabled]</p> <p>Mass Storage Devices: Generic STORAGE DEVICE 9602 [Auto] Generic STORAGE DEVICE 9602 [Auto] Generic STORAGE DEVICE 9602 [Auto]</p>	<p>Enables Legacy USB support. AUTO option disables legacy support if no USB devices are connected. DISABLE option will keep USB devices available only for EFI applications.</p> <p>           ++: Select Screen            ↑↓: Select Item            Enter: Select            +/-: Change Opt.            F1: General Help            F2: Previous Values            F3: Optimized Defaults            F4: Save &amp; Exit            ESC: Exit         </p>
---	---

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Options summary: (*default setting*)

Legacy USB Support	<b>Enabled</b>	
	Disabled	
	Auto	
<p>Enables BIOS Support for Legacy USB Support. When enabled, USB can be functional in legacy environment like DOS. AUTO option disables legacy support if no USB devices are connected. DISABLE option will keep USB devices available only for EFI application</p>		
Device Name (Emulation Type)	<b>Auto</b>	
	Floppy	
	Forced FDD	
	Hard Disk	
	CD-ROM	
<p>If Auto. USB devices less than 530MB will be emulated as Floppy and remaining as Floppy and remaining as hard drive. Forced FDD option can be used to force a HDD formatted drive to boot as FDD(Ex. ZIP drive)</p>		

## Super IO Configuration

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Advanced

Super IO Configuration		Set Parameters of Serial Port 1 (COMA)
Super IO Chip	IT8783F	
Serial Port 1 Configuration		
Serial Port 2 Configuration		
Restore AC Power Loss	[Power Off]	

++: Select Screen  
 ↑↓: Select Item  
 Enter: Select  
 +/-: Change Opt.  
 F1: General Help  
 F2: Previous Values  
 F3: Optimized Defaults  
 F4: Save & Exit  
 ESC: Exit

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### Options summary: (*default setting*)

Serial Port x Configuration		
Set Parameters of Serial Port x		
Restore AC Power Loss	<b>Power off</b>	
	Power on	
	Last State	
Set Power on after power fail function		

### Serial Port 2 Configuration

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Advanced

<p>Serial Port 2 Configuration</p> <p>Serial Port [Enabled] Device Settings IO=2F8h; IRQ=3;</p> <p>Change Settings [Auto]</p> <p>COM2 Type Select [RS232]</p>	<p>Enable or Disable Serial Port (COM)</p>          <p>                     ++: Select Screen                      ↑: Select Item                      Enter: Select                      +/-: Change Opt.                      F1: General Help                      F2: Previous Values                      F3: Optimized Defaults                      F4: Save &amp; Exit                      ESC: Exit                 </p>
---	--

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Options summary: (**default setting**)

Serial Port	Disabled	
	<b>Enabled</b>	
En/Disable specified serial port.		
Change Settings	<b>Auto</b>	
	IO=2F8h; IRQ=3;	
	IO=3F8h; IRQ=3,4,5,7,10,11,12;	
	IO=2F8h; IRQ=3,4,5,7,10,11,12;	
	IO=3E8h; IRQ=3,4,5,7,10,11,12;	
	IO=2E8h; IRQ=3,4,5,7,10,11,12;	

Select a resource setting for Super IO device.

COM2 Type Option

**RS232**

RS422

RS485

Configure COM2 operated as RS232, RS422 or RS485.

## H/W Monitor

Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc.

Advanced

Pc Health Status

```

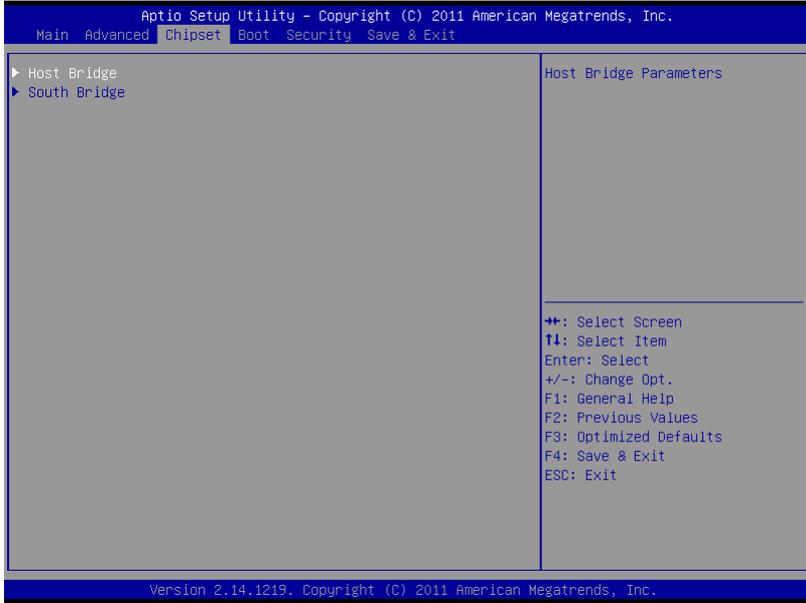
CPU temperature           : +47 C
SB temperature            : +42 C
System temperature        : +34 C
Vcore                     : +1.229 V
Vcc 1.5V                  : +1.524 V
Vcc 3.3V                  : +3.395 V
Vcc 5V                    : +5.186 V
Vcc 12V                   : +11.902 V
5V Dual                   : +5.113 V
VBAT                      : +3.271 V
  
```

```

+/: Select Screen
↑↓: Select Item
Enter: Select
+/-: Change Opt.
F1: General Help
F2: Previous Values
F3: Optimized Defaults
F4: Save & Exit
ESC: Exit
  
```

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### Setup submenu: Chipset



Options summary: **(default setting)**

Host Bridge		
Host Bridge Parameters		
South Bridge		
South Bridge Parameters		





LVDS1 Backlight Control	PWM Inverted	
	<b>PWM Normal</b>	
Backlight control setting		
LVDSx Backlight Controller	100%	
	75%	
	<b>50%</b>	
	25%	
	0%	
Adjust backlight brightness		
Control LVDSx	Disabled	
	<b>Enabled</b>	
Dis/Enable LVDSx		
Fixed Graphics Memory Size	128MB	
	<b>256MB</b>	
Configure Fixed Graphics Memory Size		

## South Bridge

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Chipset

Power Mode	[ATX Type]	Enable or disable 'It is now safe to turn off your computer.' string
<ul style="list-style-type: none"> <li>▶ TPT Devices</li> <li>▶ PCI Express Root Port 0</li> <li>▶ PCI Express Root Port 1</li> <li>▶ PCI Express Root Port 2</li> <li>▶ PCI Express Root Port 3</li> </ul>		
		++: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit

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### Options summary: (*default setting*)

Power Mode	<b>ATX Type</b>	
	AT Type	
Select AT/ATX Power Mode		
TPT Devices		
Configure onboard TPT Devices		
PCI Express Port x	Disabled	
	<b>Enabled</b>	
Enable/Disable PCI Express Port 0 - 3		

TPT Devices

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Chipset

R8111E #2 Controller	[Enabled]	Enable or Disable PCIe Lan.
R8111E #1 Controller	[Enabled]	
		++: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit

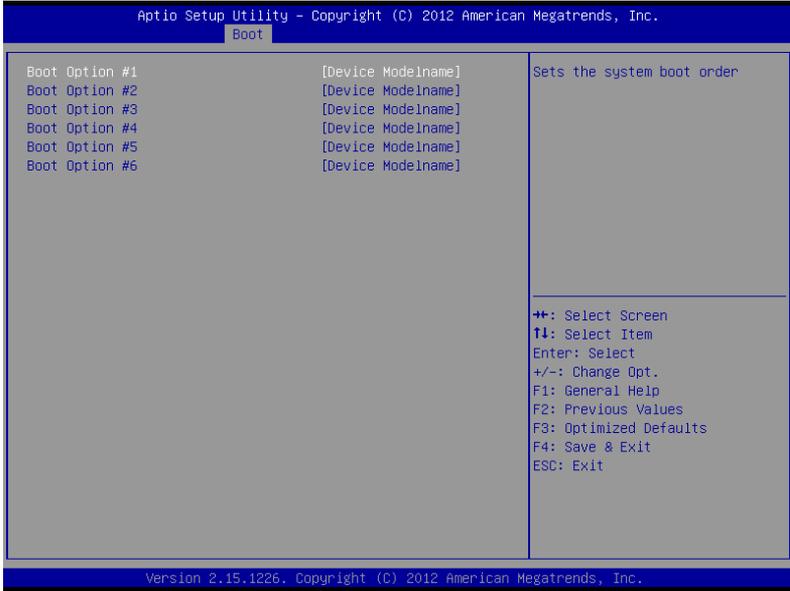
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.

Options summary: (*default setting*)

R8111E #x Controller	Disabled	
	<b>Enabled</b>	
R8111E Enable/Disable		



### BBS Priorities



Options summary: (**default setting**)

Boot Option #x	Disabled	
	Device name	
Sets the system boot order		

## Setup submenu: Security

Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc. Main Advanced Chipset Boot Security Save & Exit					
<p>Password Description</p> <p>If ONLY the Administrator's password is set, then this only limits access to Setup and is only asked for when entering Setup.</p> <p>If ONLY the User's password is set, then this is a power on password and must be entered to boot or enter Setup. In Setup the User will have Administrator rights.</p> <p>The password length must be in the following range:</p> <table> <tr> <td>Minimum length</td> <td>3</td> </tr> <tr> <td>Maximum length</td> <td>20</td> </tr> </table> <p>Administrator Password User Password</p>	Minimum length	3	Maximum length	20	<p>Set Administrator Password</p> <hr/> <p>                     ++: Select Screen                      ↑↓: Select Item                      Enter: Select                      +/-: Change Opt.                      F1: General Help                      F2: Previous Values                      F3: Optimized Defaults                      F4: Save &amp; Exit                      ESC: Exit                 </p>
Minimum length	3				
Maximum length	20				
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### Options summary: (default setting)

Administrator Password/	<b>Not set</b>	
User Password		

You can install a Supervisor password, and if you install a supervisor password, you can then install a user password. A user password does not provide access to many of the features in the Setup utility.

*Install the Password:*

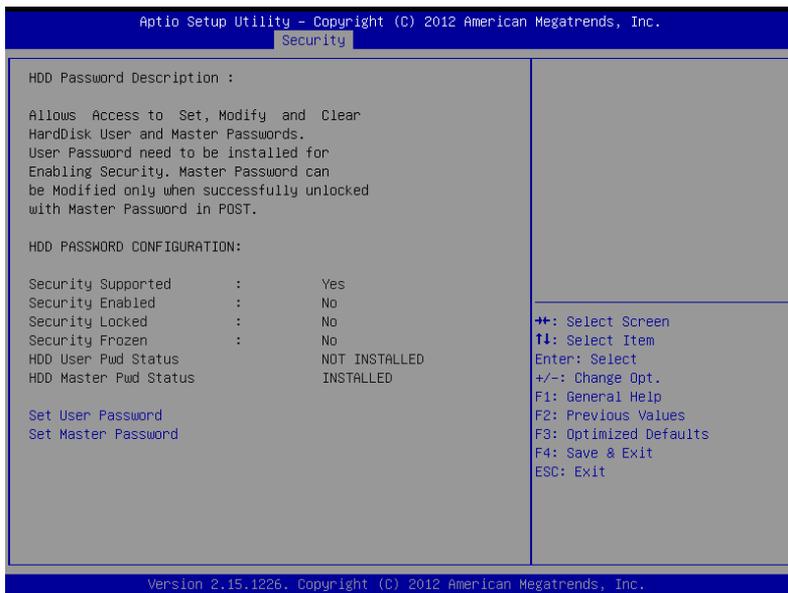
Press Enter on this item, a dialog box appears which lets you enter a password. You can enter no more than six letters or numbers. Press Enter after you have typed in the password. A second dialog box asks you to retype the password for confirmation. Press Enter after you have retyped it correctly. The password is

required at boot time, or when the user enters the Setup utility.

*Removing the Password:*

Highlight this item and type in the current password. At the next dialog box press Enter to disable password protection.

## HDD Security



### Options summary: (default setting)

Set User Password/	<b>Not set</b>	
Set Master Password		

You can install a Master and User password. Before booting to OS, HDD will be set to frozen state. On S3 resume HDD will be unlocked using the HDD Password we entered while system booting.

*Install the Password:*

Press Enter on this item, a dialog box appears which lets you enter a password. You can enter no more than six letters or numbers. Press Enter after you have typed in the password. A second dialog box asks you to retype the password for confirmation. Press Enter after you have retyped it correctly. The password is

required at boot time, or when the user enters the Setup utility.

*Removing the Password:*

Highlight this item and type in the current password. At the next dialog box press Enter to disable password protection.

## Setup submenu: Exit

Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc.

Main Advanced Chipset Boot Security **Save & Exit**

Save Changes and Exit Discard Changes and Exit Save Changes and Reset Discard Changes and Reset  Save Options Save Changes Discard Changes  Restore Defaults Save as User Defaults Restore User Defaults  Boot Override UEFI: Generic STORAGE DEVICE 9602 Generic STORAGE DEVICE 9602  Launch EFI Shell from filesystem device	Exit system setup after saving the changes.           <b>++</b> : Select Screen <b>F1</b> : Select Item Enter: Select <b>+/-</b> : Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
---	---

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Options summary: **(default setting)**

Save Changes and Reset		
Reset the system after saving the changes		
Discard Changes and Reset		
Reset system setup without saving any changes		
Restore Defaults		
Restore/Load Default values for all the setup options.		
Save as User Defaults		
Save the changes done so far as User Defaults		
Restore User Defaults		

Restore the User Defaults to all the setup options

Chapter

4

**Driver  
Installation**

The AHP-1083 comes with a CD-ROM that contains all drivers and utilities that meet your needs.

***Follow the sequence below to install the drivers:***

Step 1 – Install Chipset Driver

Step 2 – Install VGA Driver

Step 3 – Install LAN Driver

Step 4 – Install AHCI Driver

Step 5 – Install Touch Driver

Step 6 – Install Serial Port Driver (Optional)

Please read instructions below for further detailed installations.

## 4.1 Installation:

---

Insert the AHP-1083 CD-ROM into the CD-ROM Drive. And install the drivers from Step 1 to Step 6 in order.

### Step 1 – Install Chipset Driver

1. Click on the **STEP1-CHIPSET** folder and select the OS folder your system is
2. Double click on the **Setup.exe** file located in each OS folder
3. Follow the instructions that the window shows
4. The system will help you install the driver automatically

### Step 2 – Install VGA Driver

#### For Windows® 7

1. Click on the **STEP2-VGA** folder and select the folder of **WIN7\_32**
2. Double click on the **Setup.exe** file
3. Follow the instructions that the window shows
4. The system will help you install the driver automatically

#### For Windows® XP

1. Install Framework 3.5
  - Double click on the **dotnetfx35.exe**
  - Follow the instructions that the window shows
  - The system will help you install the driver automatically

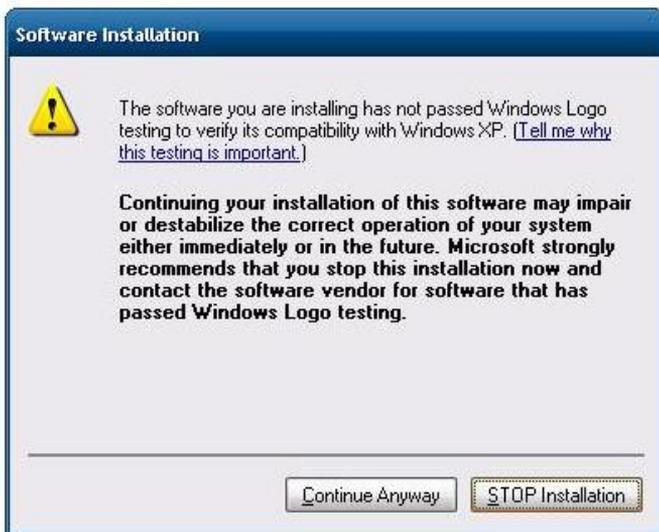
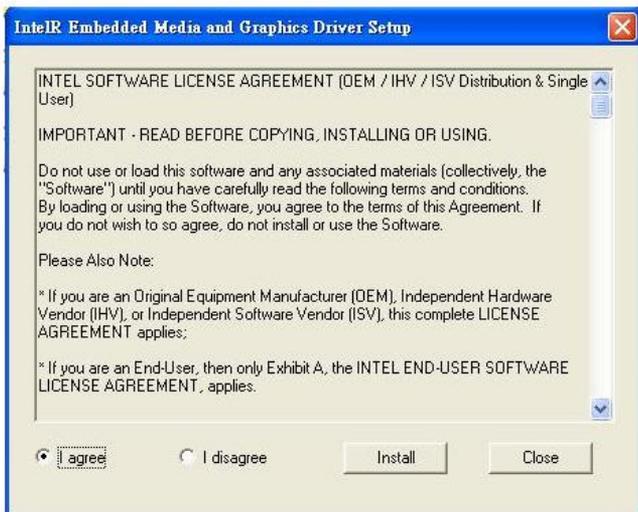
## 2. Install IEMGD

- Double click on the ***IEMGDInstallCC.exe***
- Select the configuration
- Follow the instructions that the window shows
- The system will help you install the driver automatically

Due to AHP-1083 resolution is 800 x 600, please select

***GCV5-n2\_800x600x18bit.***





If you want to update driver, please uninstall driver first.

### Uninstall IEMGD

1. Double click on the **IEMGDInstallCC.exe**
2. Follow the instructions that the window shows
3. The system will help you uninstall the driver automatically



### Step 3 – Install LAN Driver

1. Click on the **Step 3 - LAN** folder and select the OS folder your system is
2. Double click on the **Setup.exe** file located in each OS folder
3. Follow the instructions that the window shows
4. The system will help you install the driver automatically

### Step 4 – Install AHCI Driver

1. Click on the **STEP4-AHCI** folder and select the OS folder your system is
2. Double click on the **Setup.exe** file located in each OS

folder

3. Follow the instructions that the window shows
4. The system will help you install the driver automatically

#### Step 5 – Install Touch Driver

1. Click on the **Step 5 - Touch** folder and select the OS folder your system is
2. Double click on the **Setup.exe** file located in each OS folder
3. Follow the instructions that the window shows
4. The system will help you install the driver automatically

#### Step 6 – Install Serial Port Driver (Optional)

1. Click on the **STEP6-Serial Port Driver (Optional)** folder and select the OS folder your system is
2. Double click on the **Serial Patch v1.0.1\_Eng.exe** file located in each OS folder
3. Follow the instructions that the window shows
4. The system will help you install the driver automatically

**Note:** If the OS is Chinese version, you may click on **Serial Patch v1.0.1. exe** file located in each OS folder.