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AnyShop_D5

USER'S MANUAL

1-5. Installation Recommendations

1. Avoid installing during thunderstorms. (Possibility of dangerous exposure to electricity.)

2. Install away from damp spaces or water-leaks.

- 3. Beware of static occurrence during installation.
- 4. Use only ground connected and quality certified power cords and cables.

5. Keep out of direct sun-light, extremely high or low temperatures, or high humidity areas.

6. Install product away from areas prone to shocks or vibration.

7. Install product away from sewing machines, welding equipment, electric stoves, audio equipment and other high frequency generating equipment.

- 8. Installation and use in close proximity to an air-conditioning unit is not recommended.
- 9. Do not connect cables underneath carpets or floorboards.
- 10. Only use power cables supplied by pre-approved and certified venders.
- 11. Never use power cords from high power source appliances.
 - e.g. Electronic heaters, Electric stoves, Audio equipment, Air-conditioners, Refrigerators etc.
- 12. The use of multiple connections in a shared power outlet/socket is not recommended.



Chapter 2. Product Overview

2-1. Inside Your Package

1. Please check your package and confirm its contents.

2. The POS terminal main unit, power cable, user manual and driver CD are included in the package. If any items are missing or damaged, please contact your dealer for assistance.

[Package Contents]



[Optional Devices]





2-2. Pre-installation Preparation

1. Remove protective film from touch-screen to prevent possible operating difficulties.

2. Attach all optional parts before setting up the main POS unit.

2-3. Product Outline

- Each part of product may differ depending on the specific POS model.

[Front View]



[Rear View]



[Power & I/O Ports]



Description		Description		
1	Power connector	6	Ethernet port (LAN)	
2	PS/2 mouse connector	7	USB port	
3	PS/2 keyboard connector	8	Cash box port	
4	COM1, COM2, COM3 port	9	LPT port	
5	VGA/monitor port			

2-4. Installation of Optional Devices

[CDP Installation]

🔬 Warning: Completely remove AC power cable when opening main unit or installing optional devices.



- **1.** Insert (-) driver in the grooves marked: and detach cover from rear of main unit.
- **2.** Connect to the main unit using the CDP-cable and insert the display in customer display space.



- **3.** Testing: CDP is successfully installed when system boots after powering on.
 - (CDP and 12 inch LCD monitor are used only with the COM4 port.)



[2nd Display Installation: 12 inch LCD Monitor]



4. Place monitor into frame and insert the 4 screws as shown.



6. Testing: CDP is successfully installed when system boots after powering on.

(CDP and 12 inch LCD Monitor are used only with COM4 port.)

Warning: Completely remove AC power cable when opening main unit or installing optional devices.

[Keyboard & Mouse Connection]

1. Keyboard connection: PS/2 type keyboard.



2. Mouse connection: PS/2 type mouse.



[Connection via USB Port]



Four USB ports are provided in the POS unit, two at the rear I/O and two at the side, all of which support the standard USB 2.0.

Some USB devices (optional devices) are only functional with specific driver software installed.

If multiple USB devices are used together, this may result in abnormal functionality.

Using a USB hub with external adapter for supplying power is recommended.

Dependent on the type of device, it is possible for the USB device to be recognized later than normal.

[Connection via Ethernet Port (LAN)]



The Ethernet port located at the rear I/O supports 10/100/1000Mbps using an RJ45 connector cable. When connected properly, the LAN LED light will be switched on.

[Connection via Line-in Port]

1. Speaker connection



2. Microphone connection



[Printer Connection]



Connect printer cable to either Serial, Parallel or USB port as required.

[Power Cable Connection]



Insert power cable into power connector socket.

INPUT: 100-240V~,50/60Hz 1.5A OUTPUT: DC 12V 5A

2-5. Basic Operations

[Switching On POS]



» NB: Switch on all peripheral units prior to powering on POS main unit.

 $\ensuremath{\textbf{1}}.$ Press POWER button on the POS unit. (POWER LED will light up.)

2. Confirm that Windows loads correctly.



For product stability, we recommend closing Windows from the O/S. Please make sure that you have closed all applications before closing Windows. * Alternatively, you may shut down Windows by simply pressing the 'Power' switch on the Main Unit.

1. Click 'Start' and select 'Turn off Computer'

2. Click 'Shut Down' to close Windows.

2-6. System Drivers

OPOS driver

We provide UNIPOS drivers for our OPOS driver system for products based on Windows XP. Supported devices: Cash drawer, CDP (Customer Display Panel), MSR (Magnetic Swipe Reader) and printer.

OPOS driver installation

• Installation method:

Driver will automatically install by clicking SETUP.EXE in your driver CD.

If you require any help with installing or using our OPOS system, please contact our customer service center.

- Folder of contents of POS terminal installation driver:
- 1. CHIP SET DRV installation
- 2. VIDEO (VGA) DRV installation
- 3. TOUCH DRV installation
- 4. AUDIO DRV installation method
- 5. LAN DRV installations
- 6. User Manual



Chapter 3. BIOS Setup Utility

3-1. BIOS Setup Program

The motherboard supports a programmable firmware chip that can be updated using the utility described in the following section. Use the BIOS Setup program when you are installing a new motherboard, reconfiguring your system, or prompted to "Run Setup".

Even if you are not prompted to use the Setup program, you can still change the configuration of your computer in the future. For example, you can enable the security password feature or change the power management settings. This requires you to reconfigure your system using the BIOS Setup program so that the computer can recognize these changes and record them in the CMOS RAM of the firmware hub.

The firmware hub on the motherboard stores the Setup utility. When you start up the computer, the system provides you with the opportunity to run this program. Press during the Power-On-Self-Test (POST) to enter the Setup utility; otherwise, POST continues with its test routines.

If you wish to enter Setup after POST, restart the system by pressing <Ctrl+Alt+Delete>, or by pressing the reset button on the system chassis. You can also restart by turning the system off and then back on. Only do this as a last option if the first two fail.

The Setup program is designed to make it as easy to use as possible. Being a menu-driven program, it lets you scroll through the various sub-menus and make your selections from the available options using the navigation keys.



The default BIOS settings for this motherboard apply for most conditions to ensure optimal performance. If the system becomes unstable after changing any BIOS settings, load the default settings to ensure system compatibility and stability. Select the "Load Default Settings" item under the Exit Menu.
 The BIOS setup screens shown in this section are for reference purposes only, and may not exactly match what you see on your screen.

Legend Box

The keys in the legend bar allow you to navigate through the various setup menus.

Key(s)	Function Description
F1	General help, only for Status Page Setup Menu and Option Page Setup Menu
Esc	Return to the main menu from a sub-menu or prompts you to quit the setup program
\leftarrow , \rightarrow	Move to the item in the left or right hand
↑,↓	Move to previous or next item
Enter	Brings up a selection menu for the highlighted field
+ or PgUp	Moves the cursor to the first field
- or PgDn	Moves the cursor to the last field
F5	Loads the previous values
F6, F7	Loads the fail-safe / optimized defaults
F10	Saves changes and exits Setup

3-2. Main menu

Press to enter the AMI BIOS CMOS Setup Utility, the Main Menu will appear on the screen. Use the <Arrow> keys to scroll through the items and press <Enter> to accept or enter the sub-menu.

BIOS SETUP UTILITY							
Main	Advanced	PCIPnP	Boot	Security	Chipset	Exit	
System	Overview				Use	[ENTER] , [TAB]	
AMIBIO Versio Build ID	S n :08.00.1 Date:09/17/1 :ILNPX01	15 10 15			Use conf	 or [SHIFT-TAB] to select a field. Use [+] or [-] to configure system Time 	
Proces Intel(Speed Count	sor R) Aton (TM) :1666MHz :1	CPU D510	€ 1.666	Hz			
<mark>System</mark> Size	Memory :1015MB				* 11	Select Screen Select Item Change Field	
Systen Systen	Tine Date		E 15 : 1 Elfon	5:24] 09/27/2010]	Tab F1 F10 FSC	Select Field General Help Save and Exit	

The Main BIOS setup screen has two main frames. The left frame displays all the options and information associated with your selection. Grayed-out options cannot be configured; options in blue can. The right frame displays the key legend.

Above the key legend is an area reserved for text to be displayed to help you with your selection. When an option is selected in the left frame, it is highlighted in white and will often be accompanied by text.

•System time / System date

Use this option to change the system time and date. Highlight "System Time" or "System Date" using the <Arrow> keys and enter the new values using the keyboard. Press the <Tab> key or the <Arrow> keys to move between fields.

The date must be entered in MM/DD/YYYY format.

The time must be entered in HH:MM:SS format.

3-3. Advanced BIOS Features

Select the "Advanced" tab from the AIMB-2l2 setup screen to enter the "Advanced BIOS Setup" screen. You can select any of the items in the left frame of the screen, and go to the sub menu for that item. You can display an "Advanced BIOS Setup" option by highlighting it using the <Arrow> keys. All Advanced BIOS Setup options are described in this section. The Advanced BIOS Setup screen is shown below. The sub menus are described on the following pages.



3-4. CPU Configuration

Advanced	OS SETUP UTILITY	
Configure advanced CPU settings Module Version:3F.14		Disabled for WindowsXP
Manufacturer:Intel Intel(R) Atom(TM) CPU D510 @ Frequency :1.666Hz Cache L1 :48 KB Cache L2 :1024 KB Ratio Actual Value:10	1.66GHz	
Max CPUID Value Limit Execute-Disable Bit Capability	[Disabled] [Enabled] [Enabled]	• Calact Carpon
Intel(R) SpeedStep(tm) tech	[Disabled]	14 Select Item
Intel(R) C-STATE tech Enhanced C-States	[Enabled] [Enabled]	+- Change Option F1 General Help F10 Save and Exit ESC Exit
v02.61 (C)Copyright 1	985-2006, American Mega	trends, Inc.

•Max CPUID Value Limit

This item allows you to limit the CPUID maximum value.

•Execute-Disable Bit Capability

This item allows you to enable or disable the No-Execution page protection technology.

•Hyper Threading Technology This item allows you to enable or disable Intel Hyper Threading technology.

•Intel® SpeedStepTM tech When set to disabled, the CPU runs at its default speed. When set to enabled, the CPU speed is controlled by the operating system.

•Intel® C-STATE tech This item allows the CPU to save power in idle mode.

•Enhanced C-States CPU idle set to enhanced C-States, disabled by Intel®. C-STATE tech item.

3-5. IDE Configuration

Munueral	BIOS SETUP UTILITY	
IDE Configuration		Options
ATA/IDE Configuration Configure SATA as > SATA1 > SATA2 IDE Detect Time Out (Sec)	[Enhanced] [IDE] [Not Detected] [Not Detected] [35]	
► AHCI Configuration		 Select Screen Select Item Change Option General Help Save and Exit ESC Exit
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•ATA/IDE Configuration

Configuration options: "Disabled", "Compatible" or "Enhanced".

•Configure SATA as Configuration options: "IDE" or "AHCI".

•SATAI/SATA2

When entering setup, the BIOS automatically detects the presence of any SATA devices. This displays the status of SATA device auto-detection.

•IDE Detect Time Out (Sec)

This item allows you to select the time-out value for detecting ATA/ATAPI devices.

•AHCI Configuration

AHCI is a new interface specification that allows the SATA controller driver to support advanced features. When entering setup, BIOS automatically detects the presence of AHCI devices. This option displays the status of auto detection of AHCI devices.

Advanced	BIOS SETUP UTILITY	
Configure Win627DHG Super	10 Chipset	
VatchDog Tiner WatchDog Mode Serial Port1 Address Serial Port2 Address Parallel Port Address Parallel Port Mode Parallel Port Mode Parallel Port Mode Parallel Port Mode Parallel Port Mode Serial Port3 Address Serial Port4 Address Serial Port5 Address Serial Port5 IRQ Serial Port5 IRQ Serial Port6 Address Serial Port6 IRQ	[0] [Second] [3F8/IRQ4] [2F8/IRQ3] [378] [Norma1] [IRQ7] [3E8] [5] [2E8] [10] [288] [11] [280] [11]	 Select Screen Select Item Enter Update F1 General Help F10 Save and Exit ESC Exit

•Onboard Serial port I [3F8 / IRQ4]

This item allows user to adjust serial port I address and IRQ.

•Onboard Serial port 2 [2F8/ IRQ3]

This item allows user to adjust serial port 2 address and IRQ.

•Onboard Serial port 3 [C80/IRQII] This item allows user to adjust serial port 3 address and IRQ.

•Onboard Serial port 4 [C88/IRQI0] This item allows user to adjust serial port 4 address and IRQ.

•Onboard Serial port 5 [C90/IRQII] This item allows user to adjust serial port 5 address and IRQ.

•Onboard Serial port 6 [C98/IRQI0] This item allows user to adjust serial port 6 address and IRQ

3-6. Hardware Health Configuration

Hardware Health Configu	ration	Options
Sustem Temperature	:36°C/96°F	Disabled Silent Mode
CPU Temperature	:36°C/96°F	Optimal Mode Performance Mode
SYSFAN Speed	:0 RPM	
CPUFAN Speed	:3183 RPM	
Ucore	:1.120 V	
AUCC	:3.360 V	
BUCC	:3.360 V	
+120	:12.032 V	+ Select Screen
• 50	:5.024 U	11 Select Item
SUSB	:5.024 U	+- Change Option
BUSB	:3.376 V	F1 General Help
JBAT	:3.040 V	F10 Save and Exit
SYSTEM Smart Fan	[Silent Mode]	ESC Exit
CPU Smart Fan	[Silent Mode]	

•CPU warning temperature

Use this to set the CPU warning temperature threshold. When the system CPU reaches the warning temperature, the buzzer will beep.

3-7. General ACPI Configuration

BIOS SETUP UTILI	TY	
Advanced		
General ACPI Configuration	Select the ACPI	
Suspend mode [Auto] Repost Video on S3 Resume [No]	System Suspend.	
	 Select Screen Select Item Change Option General Help Save and Exit ESC Exit 	
u02_61_(f)Conuright_1985_20060wer	ican Magatronde. Inc	

•Suspend mode

Select the ACPI state used to suspend system.

•Report Video on S3 Resume

This item allows you to invoke VA BIOS POST on S3/STR resume.
3-8. Advanced ACPI Configuration

Advanced	BIOS SETUP UTILITY	
Advanced ACPI Configuratio	n	Enable RSDP pointers
ACPI Version Features ACPI APIC support AMI OEMB table Headless mode	IACPI v3.01 IEnabled] IEnabled] IDisabled]	Description Tables. Di ACPI version has some
		 ← Select Screen ↑↓ Select Item ← Change Option F1 General Help F10 Save and Exit ESC Exit
u02.61 (f)Comuri	obt 1985-2006. American 1	Merratrends. Inc.

•ACPI Version Features

This item allows you to enable RSDP pointers to 64-bit fixed system description tables.

•ACPI APIC support Include APIC table pointer to RSDT pointer list.

•AMI OEMB table Include OEMB table pointer to R(x)SDT pointer lists.

•Headless mode Enable/Disable Headless operation mode through ACPI.

3-9. APM Configuration

BIOS SETUP UTILITY				
APM Configuration		Enable or disable		
Power Management/APM High Performance Event Timer Restore on AC Power Loss USB Device Wakeup From S3 Resume On PCI-E PME Resume On Ring Resume On RTC Alarm	Enabled] [Disabled] [Power Off] [Disabled] [Disabled] [Disabled] [Disabled]	— HPN.		
		 Select Screen Select Item Change Option General Help Save and Exit ESC Exit 		

•Power Management/APM Enable/Disable APM power management function.

•Restore on AC Power Loss

This option allows user to set system action on AC power restore after AC power loss. Available options include Power Off, Power On, Last Status.

•Resume On Ring Disable/Enable RI wake event.

•Resume On RTC Alarm Disable/Enable RTC wake event.

3-10. USB Configuration

BIOS SETUP UTILIT	Y
USB Configuration	Enables support for
Module Version - 2.24.3-13.4 USB Devices Enabled : 1 Keyboard	option disables legacy support if no USB devices are connected.
Legacy USB Support[Enabled]USB 2.0 Controller Mode[HiSpeed]BIOS EHCI Hand-Off[Enabled]	
	 Select Screen Select Item Change Option General Help Save and Exit ESC Exit
v02.61 (C)Copyright 1985-2006, Ameri	can Megatrends, Inc.

•Legacy USB Support

Enables support for legacy USB. Auto option disables legacy support if no USB devices are connected.

•USB 2.0 Controller Mode

This item allows you to select "HiSpeed" (480 Mbps) or "FullSpeed" (12 Mbps).

•BIOS EHCI Hand-Off

This is a workaround for OSs without EHCI hand-off support. The EHCI ownership change should be claimed by EHCI driver.

3-11. Advanced PCI/PnP Settings

Select the PCI/PnP tab from the AIMB-212 setup screen to enter the Plug & Play BIOS Setup screen. You can display a Plug & Play BIOS Setup option by highlighting it with the <Arrow> keys. All Plug & Play BIOS Setup options are described in this section.

BIOS SETUP UTILITY				
Main Advanced PCIPnP	Boot Security	Chipset Exit		
Advanced PCI/PnP Settings		Clear NURAM during		
WARNING: Setting wrong values may cause system to	s in below sections malfunction.			
Clear NVRAM	[No]			
Plug & Play O/S	[No]			
PCI Latency Timer	[64]			
Allocate INU to PCI UGA	lYesi			
Palette Snooping	LDisabled			
PCI IDE BusMaster	[Enabled]			
OffBoard PCI/ISA IDE Card	lAutol	and the second second second		
		Select Screen		
IRQ3	lAvailablel	TI Select Item		
IRQ4	[Available]	+- Change Option		
IRQ5	[Available]	F1 General Help		
IRQ7	[Available]	F10 Save and Exit		
IRQ9	[Available]	ESC Exit		
IRQ10	[Available]			
IRQ11	[Available]	*		
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•Clear NVRAM

Set this value to force the BIOS to clear the Non-Volatile Random Access Memory (NVRAM). The Optimal and Fail-Safe default setting is "No".

•Plug & Play O/S

When set to "No", BIOS configures all the devices in the system. When set to "Yes", the operating system configures the Plug & Play devices not required for booting.

•PCI Latency Timer Value in units of PCI clocks for PCI device latency timer register.

•Allocate IRQ to PCI VGA

When set to "Yes", the system will assign IRQ to PCI VGA card if card requests IRQ. When set to "No", the system will not assign IRQ to PCI VGA card even if card requests an IRQ.

•Palette Snooping

This item is designed to solve problems caused by some non-standard VGA card.

•PCI IDE BusMaster When set to "enabled", BIOS uses PCI busmastering for reading/writing to IDE drives.

•OffBoard PCI/ISA IDE Card

Some PCI IDE cards may require this to be set to the PCI slot number that is holding the card. Setting to "Auto" works for most PCI IDE cards.

•IRQ 3 / 4 / 5 / 7 / 9 / 10 /11

This item allows you assign interrupt types for IRQ-3, 4, 5, 7, 9, 10, 11.

•DMA Channel 0 / 1 / 3 / 5 / 6 / 7

When set to "Available", will specify DMA is available to be used by PCI/PnP devices. When set to "Reserved", will specify DMA is reserved for use by legacy ISA devices.

•Reserved Memory Size

This item allows you to reserve a set amount of memory for legacy ISA devices.

3-12. Boot Settings Configuration

BIOS SETUP UTILITY Boot				
Boot Settings Configuration	1	Allows BIOS to skip		
Quick Boot Quiet Boot Bootup Num-Lock Wait For 'F1' If Error	[Enabled] [Disabled] [On] [Enabled]	booting. This will decrease the time needed to boot the system.		
		 Select Screen Select Item Change Option General Help Save and Exit ESC Exit 		
v02.61 (C)Copyrig	tht 1985-2006, Americ	an Megatrends, Inc.		

•Quick Boot

This item allows BIOS to skip certain tests while booting. This will decrease the time needed to boot the system.

•Quiet Boot

If this option is set to "Disabled", the BIOS displays normal Power On Self Test (POST) messages. If "Enabled", an OEM Logo is shown instead of POST messages.

•Bootup Num-Lock Select the Power-on state for Num-Lock.

•Wait For 'F1' If Error Wait for the F1 key to be pressed if an error occurs.

3-13. Security Setup

BIOS SETUP UTILITY							
Main	Advanced	PCIPnP	Boot	Security	Chips	set	Exit
Secur i	ty Settings					Instal	l or Change the
Superv User F Change Change	isor Password Password Supervisor User Passwo	d :Not Ins :Not Ins Password rd	talled talled			passwo	Га.
						F S F1 F1 F10 ESC	elect Screen Select Item Change General Help Save and Exit Exit
	v02.61 (C) Copyr igh	t 1985-2	006, America	n Mega	trends	, Inc.

Select "Security Setup" from the PCM-9562 Setup main BIOS setup menu.

•Change Supervisor / User Password

Allows you to either set a new password, or change an old password.

3-14. Advanced Chipset Settings

BIOS SETUP UTILITY	
Main Advanced PCIPnP Boot Security C	hipset Exit
Advanced Chipset Settings	Configure North Bridge
WARNING: Setting wrong values in below sections may cause system to malfunction.	Teatures.
▶ North Bridge Configuration	
South Bridge Configuration	
	 Select Screen Select Item Enter Go to Sub Screen F1 General Help F10 Save and Exit ESC Exit
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3-14-1. North Bridge Chipset Configuration



•DRAM Frequency

This item allows you to manually change DRAM frequency.

•Configure DRAM Timing by SPD This item allows you to enable or disable detection by DRAM SPD.

•Initiate Graphic Adapter This item allows you to select which graphics controller to use as the primary boot device.

•Internal Graphics Mode Select

Select the amount of system memory used by the internal graphics device.

3-14-1-1. Video Function Configuration

	BIOS SETUP UTILITY	hipset
Video Function Configurat	ion	Options
DVMT Mode Select DVMT/FIXED Memory	EDUMT Mode] [256MB]	640x480 (24bit) 800x600 (24bit) 1024x576 (24bit)
<mark>Boot Display Device</mark> Flat Panel Type	IVBIOS-Default] [1024x768 (24bit)]	1024x768 (24bit) 800x480 (24bit) 1024x600 (24bit) 1280x800 (24bit) 1280x1024 (24bit)
		 Select Screen Select Item Change Option General Help Save and Exit ESC Exit

•DVMT Mode Select

Displays the active system memory mode.

•DVMT/FIXED Memory Specifies the amount of DVMT/FIXED system memory to be allocated as video memory.

•Boot Display Device Select boot display device at post stage.

•Flat Panel Type This item allows you to select which panel resolution you want.

3-14-2. South Bridge Chipset Configuration

	BIOS SETUP UTILITY	
		Luipset
South Bridge Chipset Configura	ation	Options
USB Functions USB 2.0 Controller HDA Controller LAN Controller LAN BootROM SLP_S4# Min. Assertion Width	<pre>[10 USB Ports] [Enabled] [Enabled] [Enabled] [Disabled] [1 to 2 seconds]</pre>	- Disabled 2 USB Ports 4 USB Ports 6 USB Ports 8 USB Ports 10 USB Ports
		 Select Screen Select Item Change Option General Help Save and Exit ESC Exit
v02.61 (C)Copyright	1985-2006, American	Megatrends, Inc.

•USB Functions

Configurable options: Disabled, 2 USB Ports, 4 USB Ports, 6 USB Ports or 8 USB Ports.

•USB 2.0 Controller
Enables or disables the USB 2.0 controller.
•LANI controller
Enables or disables the GbE controller.

•SLP_S4# Min. Assertion Width

This item allows you to set a delay of a set number of seconds.

3-15. Exit Options

BIOS SETUP UTILITY						
Main	Advanced	PCIPnP	Boot	Secur i ty	Chipse	t Exit
Exit O Save O Discar Discar	ptions hanges and E d Changes an d Changes btimal Defau	xit d Exit lts			Ex af ch F1 fo	it system setup ter saving the anges. Θ key can be used r this operation.
					ti En F1 F1 ES	Select Screen Select Item ter Go to Sub Screen General Help Ø Save and Exit C Exit
	v02.61 (C) Copyr igł	nt 1985-2	006, America	n Megatr	ends, Inc.

•Save Changes and Exit

When you have completed system configuration, select this option to save your changes, exit BIOS setup and reboot the computer so the new system configuration parameters can take effect.

1. Select "Save Changes and Exit" from the "Exit" menu and press <Enter>. The following message appears: *Save Configuration Changes and Exit Now? [Ok] [Cancel]*

2. Select "Ok" or "Cancel".

•Discard Changes and Exit

Select this option to quit Setup without making any permanent changes to the system configuration.

1. Select "Discard Changes and Exit" from the "Exit" menu and press <Enter>. The following message appears:

Discard Changes and Exit Setup Now? [Ok] [Cancel]

2. Select "Ok" to discard changes and exit.

•Discard Changes

1. Select "Discard Changes" from the Exit menu and press <Enter>.

•Load Optimal Defaults

The AIMB-212 automatically configures all setup items to optimal settings when you select this option. "Optimal Defaults" are designed for maximum system performance, but may not work best for all computer applications. In particular, do not use the "Optimal Defaults" if your computer is experiencing system configuration problems.

1. Select "Load Optimal Defaults" from the "Exit" menu and press <Enter>.



Chapter 4. Troubleshooting

4-1. Network Issues

Symptom	Corrective Procedure
Cannot access LAN	 Check if hub or switch is working correctly
	 Check RJ45 cable connection
	 Check if LAN LEDs are on/off
	Reinstall LAN card
	 Replace motherboard

4-2. MSR Issues

Symptom	Corrective Procedure
MSR does not respond	 Check MSR reader cable connection
	 Check motherboard and LCD cable connection
	 Check MSR board cable connection

4-3. USB Issues

Symptom	Corrective Procedure
USB port doesn't work	 Check Windows device manager for device recognition
	 Check USB device status and connection
	 Erase and re-install USB driver
	Change USB device

4-4. LCD Issues

Symptom	Corrective Procedure
LCD backlight doesn't work	Check LCD cable connection
	 Check inverter cable connection
	Replace inverter cable
	Change LCD panel

4-5. Touch-screen Issues

Symptom	Corrective Procedure
Touch-screen doesn't detect touch operations	 Check touch-screen cable connection
	 Check motherboard and LCD cable connection
	Check BIOS set-up

4-6. Power Issues

Symptom	Corrective Procedure
System switches off abruptly and system does not	Check A/C cable connection
load	 Check motherboard power connection
	 Check CPU settings/status
	 Check DRAM settings
	 Check power button cable connection
	 Change power supply unit

4-7. PS/2 Keyboard Issues

Symptom	Corrective Procedure
PS/2 Keyboard doesn't work	Check card-reader cable
	Check CN6 jumper

4-8. Booting Issues

Symptom	Corrective Procedure
Re-booting during system operation	Check SATA cable connection
	 Check memory status

4-9. Printer Issues

Symptom	Corrective Procedure
Printer won't operate	Check printer power supply
	Replace printer paper roll
	Check printer cable



Chapter 5. Motherboard

5-1. Motherboard Layout





5-2. Clearing CMOS

This jumper allows you to clear the Real Time Clock (RTC) RAM in CMOS. You can clear the CMOS memory of date, time, and system setup parameters by erasing the CMOS RTC RAM data. The onboard button cell battery powers the RAM data in CMOS, which include system setup information such as system passwords.

To erase the RTC RAM:

- 1. Turn OFF the computer and unplug the power cord.
- 2. Remove the onboard battery.
- 3. Move the jumper cap from pins 1-2 (default) to pins 2-3. Keep the cap on pins 2-3 for 5~10 seconds, then move the cap back to pins 1-2.
- 4. Re-install the battery.
- 5. Plug in the power cord again and turn ON the computer.
- 6. Hold down the key during the boot process and enter BIOS setup to re-enter data.

Except when clearing the RTC RAM, never remove the cap on CLRTC jumper default position. Removing the cap will cause system boot failure.





5-3. Serial Port Power (COM1, 2, 3, 4, 6 RI, +12V and +5V) Jumper Settings

This jumper allows you to select COM1 RI, +5V and +12V power. Set COMP1SELx to pins 5-6 for +5V power. Set COMP1SELx to pins 1-2 for +12V power. Finally, set COMP1SELx to pins 3-4 for RI selection.





COM5 RS232, RS422, RS485 Selection

This jumper allows you to select COM5 RS232, RS422, RS485. Changing jumpers will select different RSxxx protocols.



Changing jumper settings while the power is on can severely damage the motherboard. Always turn the power off and remove the power source from the motherboard before attempting any changes. Please contact your dealer before replacing it.





Chapter 6. Maintenance

6-1. Safety Warning

POSBANK will not be held responsible for repairs conducted via service providers other than those officially specified by the seller.

General Guidelines

- 1. Always disconnect the unit from the power outlet.
- 2. Disconnect all cables from the POS main unit before attempting reparation.
- 3. Keep all components in the static-proof packaging provided until ready for installation.
- 4. If the device still is not functioning after repair, please turn off the POS unit and contact the customer service center for a follow-up inspection.
- 5. We recommend that power supply unit (PSU) checks and monitor repairs *only* be performed at a certified service center.





[MSR Installation]

» PS2, USB and Serial port connections are supported



1. Remove dummy cover at the rear left of the main unit.	2. Connect MSR cable to MSR unit.
	3. Affix MSR to main unit using 2 screws as shown.








	6 Remove cable from motherboard Motherboard is now removed
5. Next, remove the last 4 screws as shown above.	7. Replace with new motherboard and reassemble unit using the reverse procedure of steps 1-6 as shown previously.











[Memory (RAM) Replacement]



Please refer to "5-1. Motherboard Layout" for RAM location.





- 1. Push fixtures on both sides outwards (as shown above).
- 2. Remove the memory from its slot.

3. Insert new memory into slot and press lightly to fix into place.

6-2. Technical Specifications (AnyShop D5)

CPU		Intel Pineview-D D510
Chipset		ICH8M
HDD		SATA 2.5inch (Default 160GB)
Memory		DDR2 SODIMM x 1 slot (Default 1GB up to 2GB)
VGA		Intel Gen3.5+GFX Render Core
Display		15" TFT LCD with 5-wired resistive Touch Screen 1024 x 768 resolution
Internal I/O	USB	3 Ports (reserved for Touch controller, SCR EMV card, Camera, MSR controller)
	PS/2	1 Keyboard with pin header
	RS-232	COM 4 reserved for VFD COM 5 & 6 with 9pin header
	D-SUB	Reserved for 2nd display
	Extension	Mini PCIe
	LVDS	Main display use
External I/O	Parallel	1 port
	USB	Rear 2, Side 2
	PS/2	Mouse 1 / Keyboard 1
	RS-232	COM 1 ~ 3 with + 5/12V power output on 9pin
	LAN	GbE LAN
	Audio	Each 1 Line-out / Line-in / Mic.
Optional	MSR	Comply with ISO 7811, Support 1 & 2 & 3 track
	SCR	EMV level
	Dallas	Dallas I-button reader

VFD		VFD type customer display (20 x 2)	
	2nd LCD	12.1" LCD : 1024 x 768 resolution	
	WiFi	Mini PCI for wireless LAN	
	VGA	Mini PCI for VGA card	
Safety & E	Safety & EMI CE, FCC, KCC, CCC		
Power Supply		INPUT: 100-240V~,50/60Hz 1.5A OUTPUT: DC 12V 5A	
OS Suppo	ort	Linux, Windows 2000/XP/XPE, WEPOS, POS Ready, Windows 7	

* Specifications are subject to change without prior notice