AXIOMTEK

GOT5100T-832

All-in-One
10.4” SVGA TFT Fanless
Touch Panel Computer with
Intel® Atom™ N2600 Processor

User’s Manual

RoHS

Disclaimers

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CAUTION

If you replace wrong batteries, it causes the danger of explosion. It is recommended by the manufacturer that you follow the manufacturer's instructions to only replace the same or equivalent type of battery, and dispose of used ones.

August 2013, Version A4

Printed in Taiwan

Safety Precautions

Before getting started, read the following important cautions.

1. The GOT5100T-832 does not come equipped with an operating system. An operating system must be loaded first before installing any software into the computer.

2. Be sure to ground yourself to prevent static charge when installing the internal components. Use a grounding wrist strap and place all electronic components in any static-shielded devices. Most electronic components are sensitive to static electrical charge.

3. Disconnect the power cord from the GOT5100T-832 before any installation. Be sure both the system and external devices are turned OFF. A sudden surge of power could ruin sensitive components that the GOT5100T-832 must be properly grounded.

4. The brightness of the flat panel display will be getting weaker as a result of frequent usage. However, the operating period varies depending on the application environment.

5. Turn OFF the system power before cleaning. Clean the system using a cloth only. Do not spray any liquid cleaner directly onto the screen. The GOT5100T-832 comes with a touchscreen. Although the touchscreen is chemical resistant, it is recommended that you spray the liquid cleaner on a cloth first before wiping the screen. In case your system comes without the touchscreen, you must follow the same procedure and not spray any cleaner on the flat panel directly.

6. Avoid using sharp objects to operate the touchscreen. Scratches on the touchscreen may cause malfunction or internal failure to the touchscreen.

7. The flat panel display is not susceptible to shock or vibration. When assembling the GOT5100T-832, make sure it is securely installed.

8. Do not open the system's back cover. If opening the cover for maintenance is a must, only a trained technician is allowed to do so. Integrated circuits on computer boards are sensitive to static electricity. To avoid damaging chips from electrostatic discharge, observe the following precautions:

   - Before handling a board or integrated circuit, touch an unpainted portion of the system unit chassis for a few seconds. This will help to discharge any static electricity on your body.

   - When handling boards and components, wear a wrist-grounding strap, available from most electronic component stores.

Trademarks Acknowledgments

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Chapter 1 Introduction

This chapter contains general information and detailed specifications of the GOT5100T-832. Chapter 1 includes the following sections:

- General Description
- Specification
- Dimensions
- I/O Outlets
- Package List

1.1 General Description

The GOT5100T-832 is a fan-less and compact-size touch panel computer, equipped with a 10.4" TFT LCD display and low power consumption Intel® Atom™ N2600 1.6GHz processor. The GOT5100T-832 supports Windows® 7 32-bit, and WES 7. The panel computer provides a Mini card slot for wireless module. Its excellent ID and friendly user interface make it a professional yet easy-to-use panel computer. The GOT5100T-832 is an ideal for space-limited applications in factory automation, machine maker operating systems, building automation, and more.

Reliable and Stable Design
The GOT5100T-832 adopts a fanless cooling system, which makes it suitable for vibration environments.

Embedded O.S. Supported
The GOT5100T-832 not only supports Windows® 7 32-bit, but also supports embedded OS, such as WES 7. For storage device, the GOT5100T-832 supports CompactFlash™ card(optional) and 2.5" SATA device.

Industrial-grade Product Design
The GOT5100T-832 has an incredible design to be used in different industrial environments.

The front bezel meets the IP65/NEMA4 standard.
For connecting other devices, the GOT5100T-832 also features several interfaces: USB, Ethernet, and RS-232/422/485.

1.2 Specifications

Main CPU Board

- **CPU**
  - Intel® Atom™ N2600 1.6GHz processor onboard
- **System Chipset**
  - Intel® NM10 Express
- **System Memory**
  - One 204-pin DDR3 SO-DIMM socket
  - Maximum memory up to 2GB
- **BIOS**
  - America Megatrends BIOS

I/O System

- **Standard I/O**
  - One RS-232 and one RS-232/422/485
  - Four USB 2.0
- **Ethernet**
  - Two Gigabit Ethernet

- **Audio**
  - One Line-out
- **Expansion**
  - One Mini card
- **Storage**
  - One slot for CF card
  - One SATA
- **Power connector**
  - GOT5100T-832: DC Power input +10~30VDC (phoenix type)
  - GOT5100T-832-J: AC 100~240V to DC +12V adapter(Screw type)

System Specification

- **10.4" SVGA(800x600) LCD with LED backlight**
- **5 wired resistive Touch**
- **Fanless Heat Dispensing Design**
- **Disk drive housing:**
  - One 2.5" SATA drive
- **Net Weight**
  - 1.8 Kg (3.96 lb)
- **Dimension (Main Body Size)**
  - 292.5mm x 45.8mm x 235.8mm
- **Operation Temperature**
  - 0℃ to 50℃
- **Relative Humidity**
  - 10% to 95% @ 40℃, Non-Condensing
- **Vibration**
  - 5 to 500 Hz, 2.0 G random for CompactFlash™ / SSD
- **Power input**
  - 10~30VDC with phoenix power connector
  - External 60W AC Adapter
    - — Input: 100VAC to 240VAC
    - — Output: 12VDC, Max. 5A

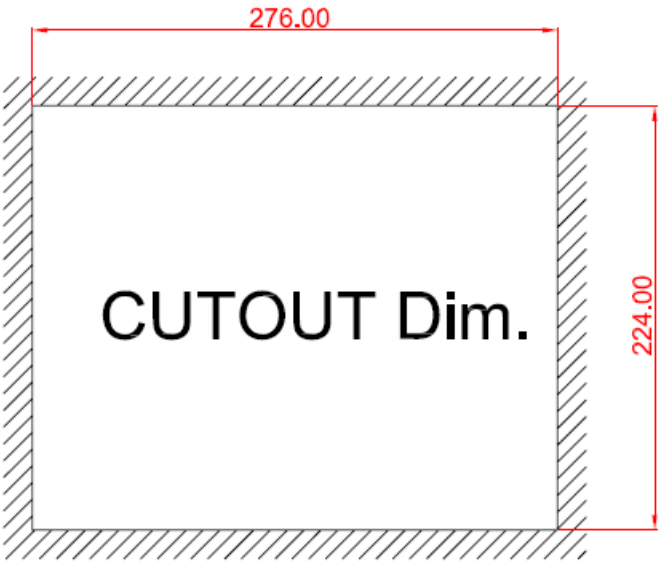
Note: ***All specifications and images are subject to change without notice.***

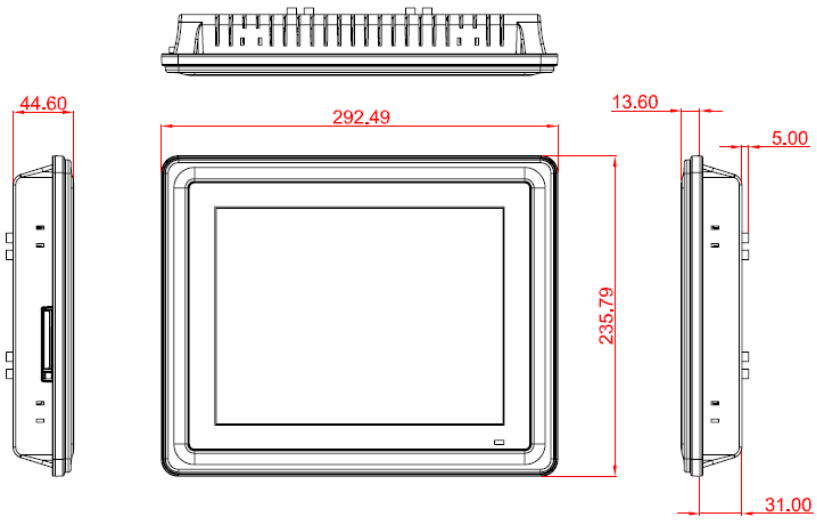
Note: ***If the operation temperature is higher than 35℃, the wide operating temperature HDD is recommended to be used on the device.***

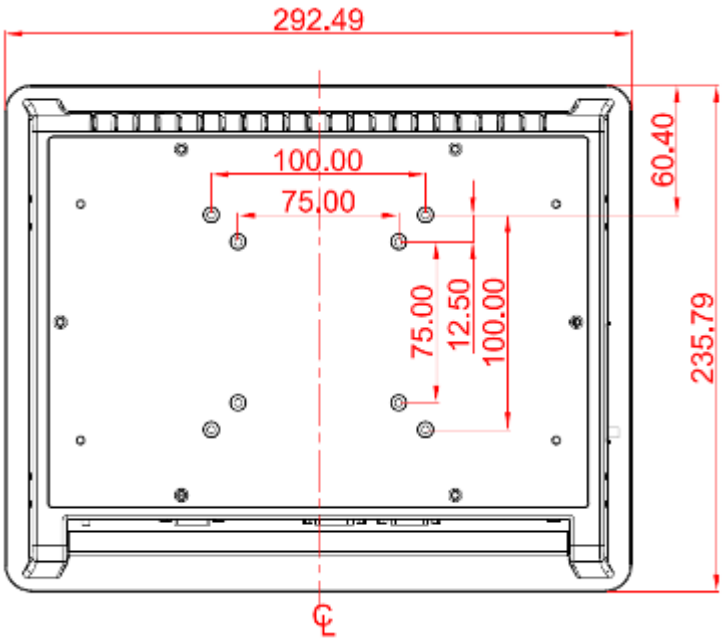
Note: ***If the operation temperature is higher than 45℃, the wide temperature DRAM and CF are recommended to be used o the device.***

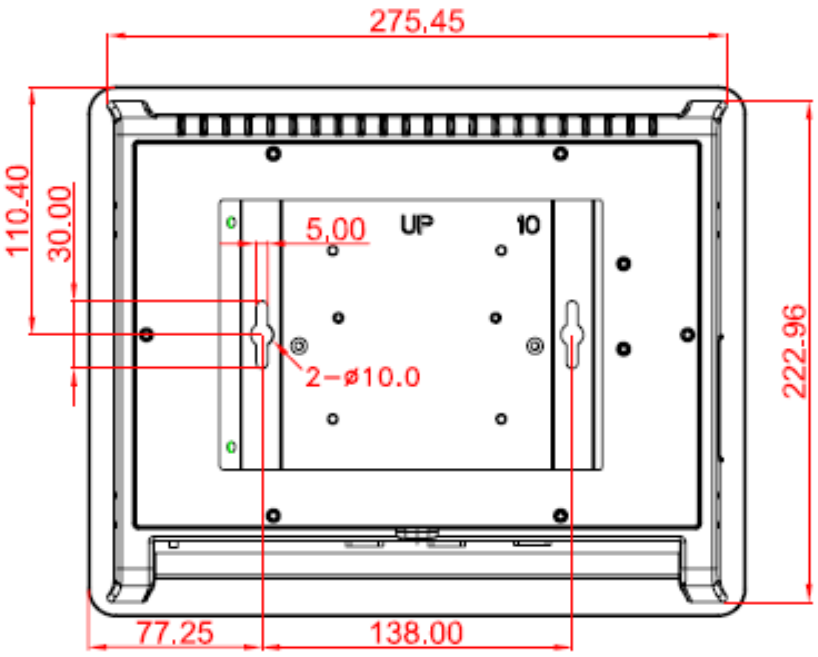
1.3 Dimensions and Outlines

The following diagrams show the dimensions and outlines of GOT5100T-832.



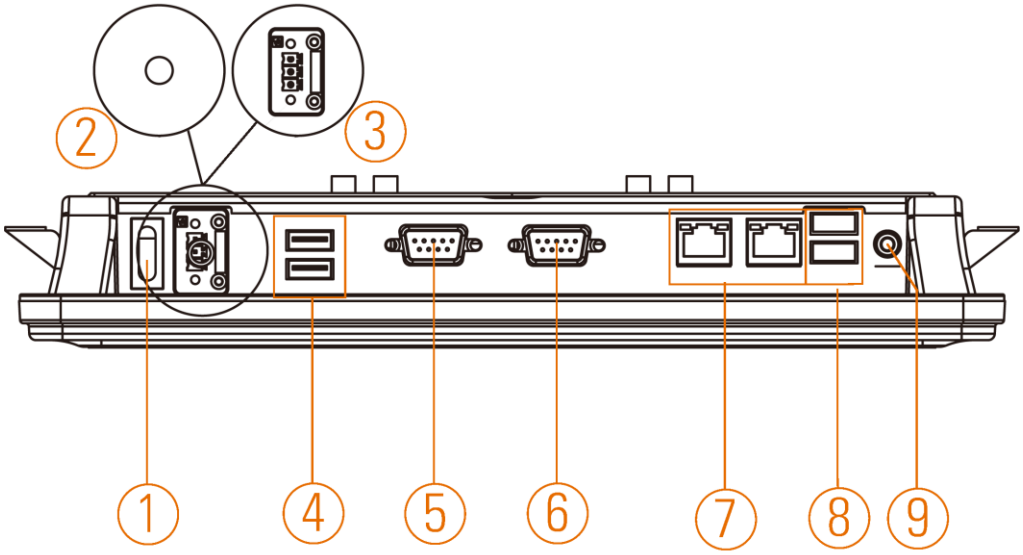



292.49
60.40
100.00
75.00
75.00
12.50
100.00
235.79


275.45
110.40
30.00
5.00
UP
10
2-ø10.0
222.96
77.25
138.00

1.4 I/O Outlets

Please refer to the following illustration for I/O locations of the GOT5100T-832.



No	Function	No	Function
1	POWER SWITCH (ATX)	6	COM 2 (RS-232)
2	Power Input connector (Screw)	7	Ethernet (RJ-45)
3	Power Input connector (Phoenix)	8	Dual USB 2.0 ports
4	Dual USB 2.0 ports	9	AUDIO (LINE-OUT)
5	COM 1 (RS-232/422/485)		

1.5 Packing List

When you receive the GOT5100T-832, the bundled package should contain the following items:

- **GOT5100T-832 unit x 1**
- **Driver CD x 1**
- **Panel mount kit x 6**
- **Wall mount kit x 1**
- **Screws for HDD x 4**
- **HDD Mylar Sticker x 1**
- **Phoenix connector x 1 (for GOT5100T-832)**
- **Power Adapter & Cord x 1 (for GOT5100T-832-J)**

If you cannot find the package or any items are missing, please contact Axiomtek distributors immediately.

Chapter 2
Hardware and Installation

The GOT5100T-832 provides rich I/O ports and flexible expansions for you to meet different demand, for example CF card. The chapter will show you how to install the hardware. It includes:

- **Open Back Cover**
- **CompactFlash™ Card**
- **Serial Port**
- **Ethernet**
- **Mounting Method**
- **Hard disk**
- **DRAM**
- **Wireless LAN Card**

2.1 Open back cover

This section tells users how to open back cover. Please follow the steps below.

Step 1 Unscrew 6 screws on the back cover. Please refer the photo below.

Step 2 Remove the back cover.

2.2 CF card Installation

The GOT5100T-832 provides one CF slot for users to install CompactFlash™ card. Please refer to the following instructions for installation:

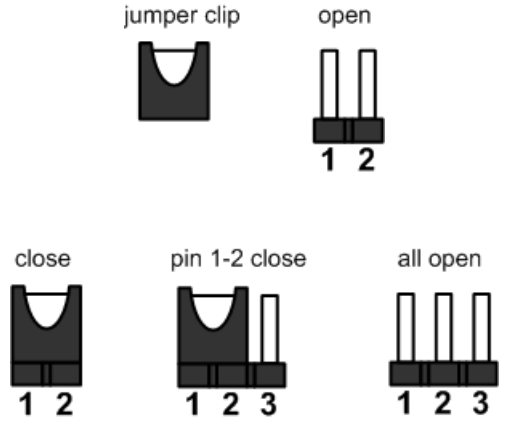
Step 1 Turn off the system, and unplug the power cord.

Step 2 Find out the cover on the side of the system.

Step 3 Locate the CompactFlash™ socket, and insert the card into the socket.

2.3 Jumper and Switch Settings

Jumper is a small component consisting of jumper clip and jumper pins. Install jumper clip on 2 jumper pins to close. And remove jumper clip from 2 jumper pins to open. The following illustration shows how to set up jumper.

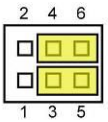
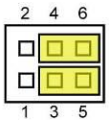
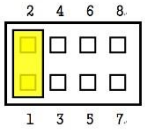
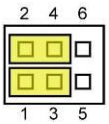
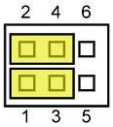
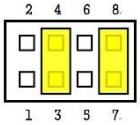
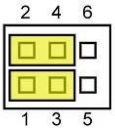
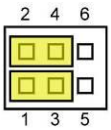
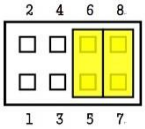


Before applying power to GOT5100T-832, please make sure all of the jumpers and switch are in factory default position. Below you can find a summary table and onboard default settings.

Jumper	Description		Setting
JP4	Auto Power On Default: Disable		2-3 close
JP5	CF Voltage Selection Default: +3.3V		1-2 close
JP6	Restore BIOS Optimal Defaults (Clear CMOS) Default: Normal Operation		1-2 close
JP7	COM1 RS-232/422/485 Mode Setting Default: RS-232		3-5, 4-6 close
JP8			3-5, 4-6 close
JP9			1-2 close
JP10	COM1 Data/Power Selection Default: RS-232 Data	Pin 1: DCD	3-5 close
		Pin 9: RI	4-6 close
JP11	COM2 Data/Power Selection Default: RS-232 Data	Pin 1: DCD	3-5 close
		Pin 9: RI	4-6 close

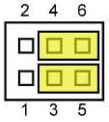
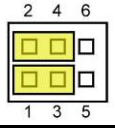
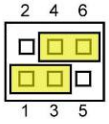
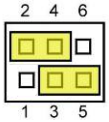
2.3.1 COM1 Configuration

The COM1 and COM2 are a standard DB-9 connector. Those connectors are equipped with
The GOT5100T-832 has two serial ports. COM1 is RS-232/422/485, while COM2 is RS-232.
The following table shows you set COM1 port mode:

Description	Jumper Setting		
RS-232 (Default)	JP7 	JP8 	JP9 
RS-422	JP8 	JP7 	JP9 
RS-485	JP8 	JP7 	JP9 

2.3.2 COM port Power Configuration

All of the serial ports can output data or power through jumper setting.
The following table shows you how to do that.

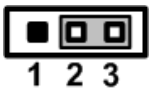
Description	JP10 & JP11
Pin1: DCD Pin9: RI (Default)	
Pin1: +5V Pin9: +12V	
Pin1: +5V Pin9: RI	
Pin1: DCD Pin9: +12V	

Note: ***Each port +5V Maximum: 2A, +12V Maximum: 1A.***

2.3.3 Auto Power On (JP4)

If JP4 is enabled for power input, the system will be automatically power on without pressing soft power button. If JP4 is disabled for power input, it is necessary to manually press soft power button to power on the system.

Function	Setting
Enable auto power on	1-2 close
Disable auto power on (Default)	2-3 close



2.3.4 Restore BIOS Optimal Defaults (JP6)

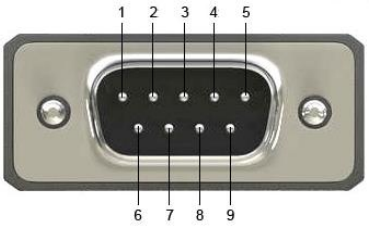
Put jumper clip to pin 2-3 for a few seconds then move it back to pin 1-2. Doing this procedure can restore BIOS optimal defaults.

Function	Setting
Normal operation (Default)	1-2 close
Restore BIOS optimal defaults	2-3 close

2.4 COM port Connector

The pin assignment of RS-232/RS-422/RS-485 is listed on the following table. If you need COM1 port to support RS-422 or RS-485 mode, please refer to Jumper Settings

Pin	RS-232	RS-422	RS-485
1	DCD	TX-	Data-
2	RXD	TX+	Data+
3	TXD	RX+	No use
4	DTR	RX-	No use
5	GND	GND	GND
6	DSR	No use	No use
7	RTS	No use	No use
8	CTS	No use	No use
9	RI	No use	No use

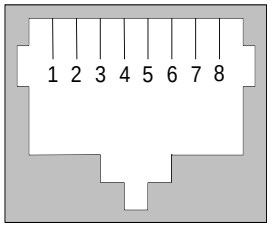


2.5 Ethernet

The GOT5100T-832 is equipped with a high performance Plug and Play Ethernet interface, full compliant with IEEE 802.3 standard, and can be connected with a RJ-45 LAN connector.

Please refer to detailed pin assignment list below:

Pin	100Base-T	1000Base-T
1	TX+	BI-DA+
2	TX-	BI-DA-
3	RX+	BI-DB+
4	NC	BI-DB-
5	NC	BI-DC+
6	RX-	BI-DC-
7	NC	BI-DD+
8	NC	BI-DD-



RJ-45

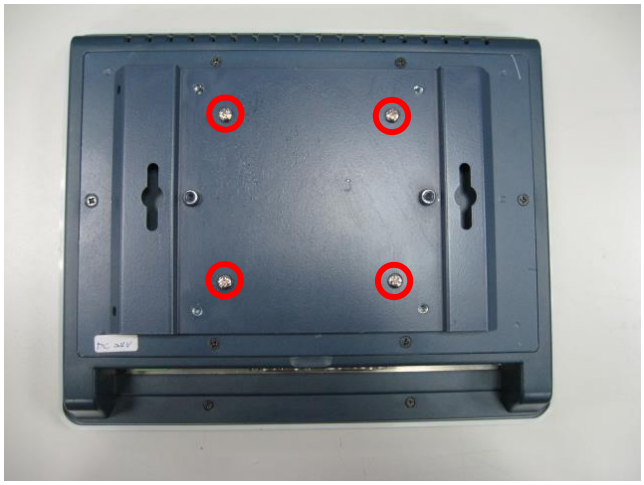
2.6 Mountings: Panel / Wall / Desktop / VESA

There are several mounting ways for the GOT5100T-832, Panel, Wall, Desktop and VESA mountings.

2.6.1 Wall Mount

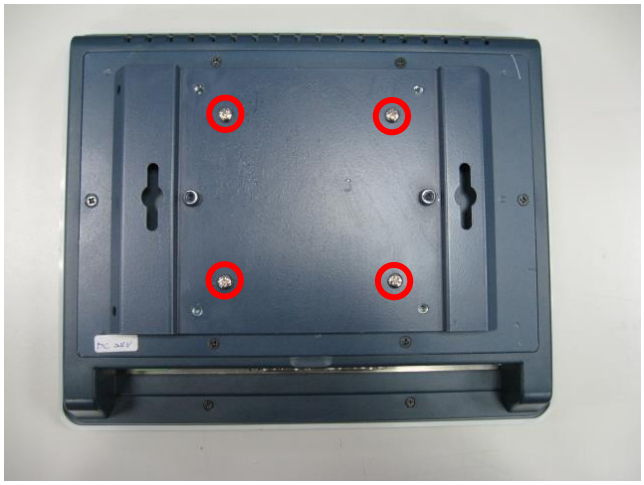
The GOT5100T-832 is designed for Wall mounting application. Please refer below picture to equip the mounting kit.

Find out the screws as marked on the back side of chassis.



2.6.2 VESA Mount

Step 1 Find out the screws as marked on the back side of chassis.



Step 2 Assemble the VESA-ARM to the back side of the chassis, and fix the screws.

2.6.3 Desktop Mounting

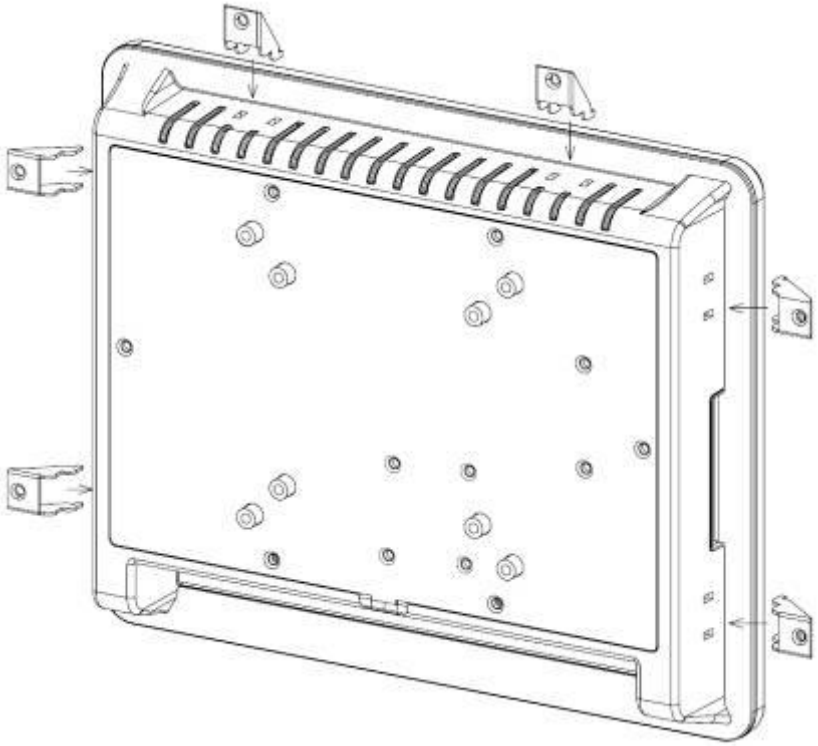
The GOT5100T-832 is designed for desktop mounting application. Please refer to the following steps:

Step 1 Find out the screws as marked on the back side of chassis.

Step 2 Assemble the desktop stand to the chassis, and fix the screws.

2.6.4 Panel-mount Kit Assembly

The GOT5100T-832 is designed for panel mount application. A set of standard mounting kit are bundled with the system package that you can use it to mount the GOT5100T-832.



2.7 HDD Installation

The GOT5100T-832 provides a convenient Hard Disk Drive (HDD) bracket for users to install 2.5" SATA HDD. Please follow the steps:

Step 1 Refer section 2.1 to open the back cover.

Step 2 Unscrew 4 screws to take off the HDD bracket.

Step 3 Screw the 2.5" HDD, together with the HDD Mylar, to the HDD bracket.

Step 4 **Fix the HDD bracket into the system, and plug the data and power cable to HDD. Installation completes.**

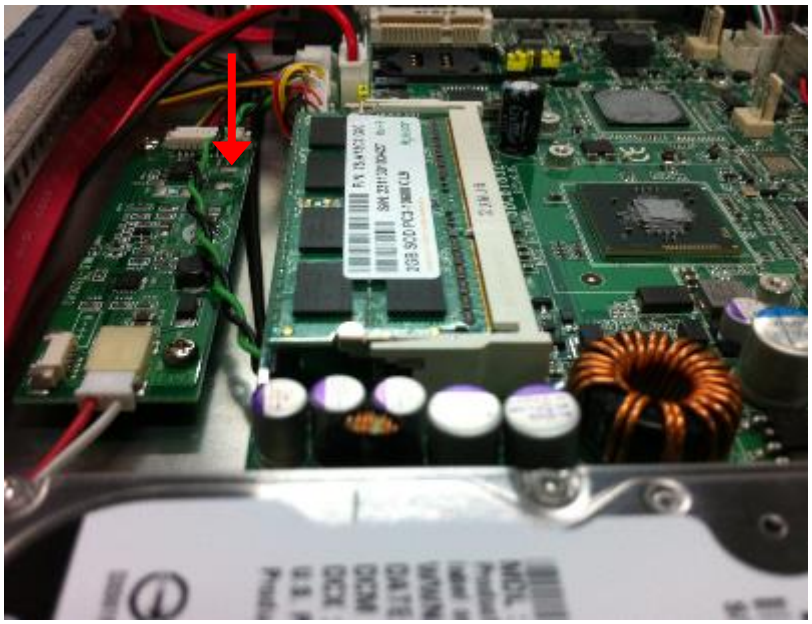
2.8 DRAM Installation

The GOT5100T-832 provides one 204-pin DDR3 SODIMM socket that support system memory up to 2GB. Please follow steps below to install the memory modules:

Step 1 **Refer to section 2.1 to open the back cover and find out DIMM socket on main board (SBC87832).**

Step 2 **Insert the DRAM to the DIMM socket, and then push it down firmly until it is clipped by the socket.**

Step 3 **Install the memory module into the socket and push it firmly down until it is fully seated. The socket latches are levered upwards and clipped on to the edges of the DIMM.**

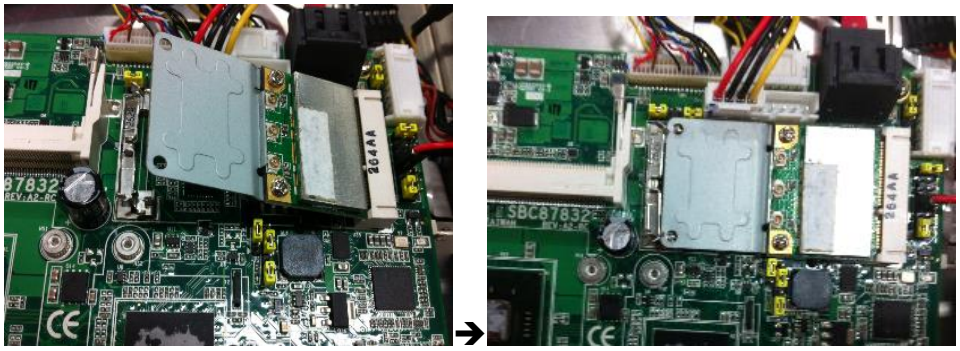


2.9 Wireless LAN Card Installation

The GOT5100T-832 provides one Mini card slot for user to install one wireless LAN card. When installing the wireless LAN card, refer to the following instructions and illustration:

Step 1 **Refer to section 2.1 to open the back cover and find out mini-card slot on main board.**

Step 2 **Insert the wireless LAN card to the slot. Push it down firmly until it is clipped by the slot.**



Step 3 **Find the built-in Antenna cable.**

Step 4 **There are two connectors on wireless LAN card. One is MAIN, and the other is auxiliary. Connect antenna cable to MAIN connector on wireless LAN card.**

2.10 Power Input (Phoenix type)

GOT5100T-832 equips with a phoenix type power connector. It adopts 10VDC to 30VDC. Please follow the signs on power connector to connect DC power source.

+: Power positive G: Safety ground —:Power negative

Note: ***The safety ground must be connected to ensure the unit working appropriately.***

Chapter 3
AMI BIOS Setup Utility

This chapter provides users with detailed description how to set up basic system configuration through the AMIBIOS BIOS setup utility.

3.1 Starting

To enter the setup screens, follow the steps below:
Turn on the computer and press the <Del> key immediately.
After you press the <Delete> key, the main BIOS setup menu displays. You can access the other setup screens from the main BIOS setup menu, such as the Chipset and Power menus.

3.2 Navigation Keys

The BIOS setup/utility uses a key-based navigation system called hot keys. Most of the BIOS setup utility hot keys can be used at any time during the setup navigation process. These keys include <F1>, <F2>, <Enter>, <ESC>, <Arrow> keys, and so on.

Note: ***Some of the navigation keys differ from one screen to another.***

Hot Keys	Description
→← **Left/Right**	The Left and Right <Arrow> keys allow you to select a setup screen.
↑↓ **Up/Down**	The Up and Down <Arrow> keys allow you to select a setup screen or sub-screen.
+– Plus/Minus	The Plus and Minus <Arrow> keys allow you to change the field value of a particular setup item.
Tab	The <Tab> key allows you to select setup fields.
F1	The <F1> key allows you to display the general help screen.
F2	The <F2> key allows you to load previous values.
F3	The <F3> key allows you to load optimized defaults.
F4	The <F4> key allows you to save any changes you have made and exit setup. Press the <F4> key to save your changes.
Esc	The <Esc> key allows you to discard any changes you have made and exit the setup. Press the <Esc> key to exit the setup without saving your changes.
Enter	The <Enter> key allows you to display or change the setup option listed for a particular setup item. The <Enter> key can also allow you to display the setup sub- screens.

3.3 Main Menu

When you first enter the Setup Utility, you will enter the Main setup screen. You can always return to the Main setup screen by selecting the Main tab. There are two Main Setup options. They are described in this section. The Main BIOS Setup screen is shown below

- **System Date/Time**
  Use this option to change the system time and date. Highlight System Time or System Date using the <Arrow> keys. Enter new values through the keyboard. Press the <Tab> key or the <Arrow> keys to move between fields. The date must be entered in MM/DD/YY format. The time is entered in HH:MM:SS format.

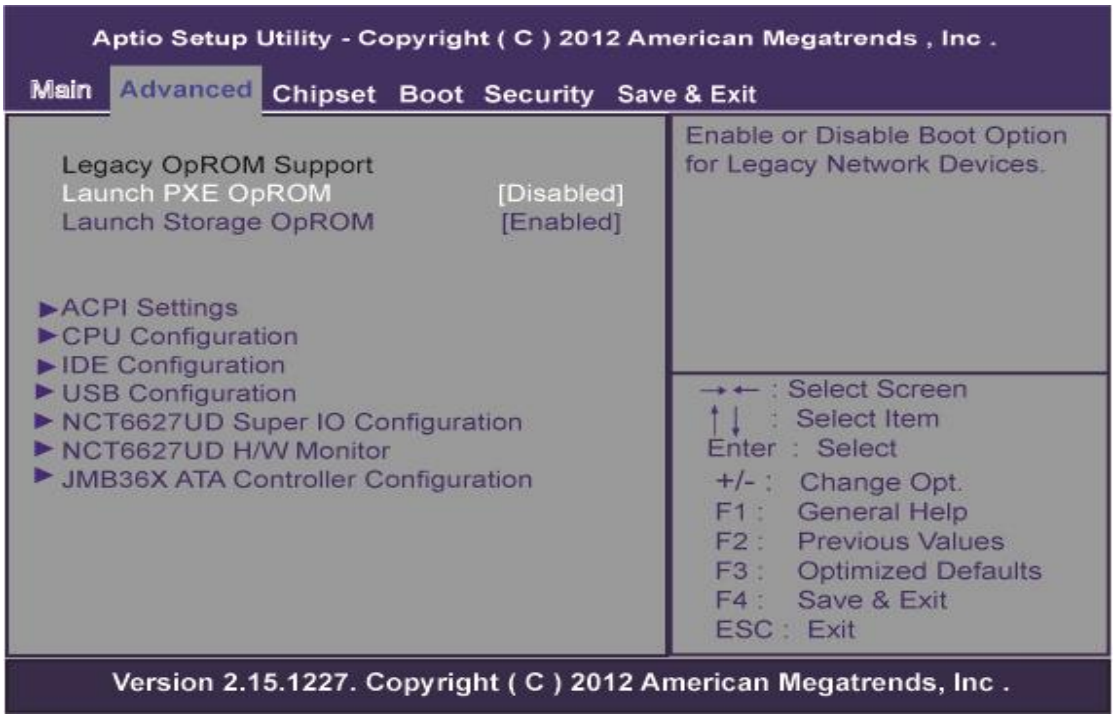
3.4 Advanced Menu

- **Launch Storage OpROM**
  This item can enable or disable boot option for legacy mass storage devices with option ROM.

The Advanced menu also allows users to set configuration of the CPU and other system devices. You can select any of the items in the left frame of the screen to go to the sub menus:

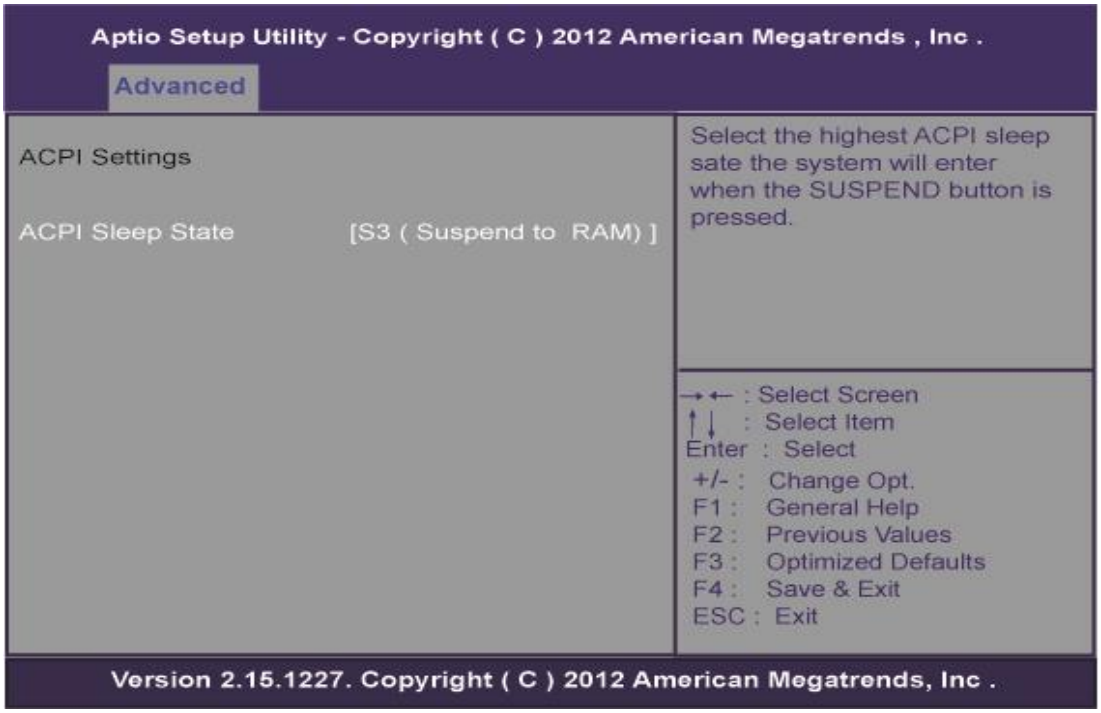
- ► ACPI Settings
- ► CPU Configuration
- ► IDE Configuration
- ► USB Configuration
- ► NCT6627UD Superior IO Configuration
- ► NCT6627UD HW Monitor
- ► JMB36X ATA Controller Configuration

For items marked with "►", please press <Enter> for more options.



- **ACPI Settings**

You can use this screen to select options for the ACPI Configuration, and change the value of the selected option. A description of the selected item appears on the right side of the screen.

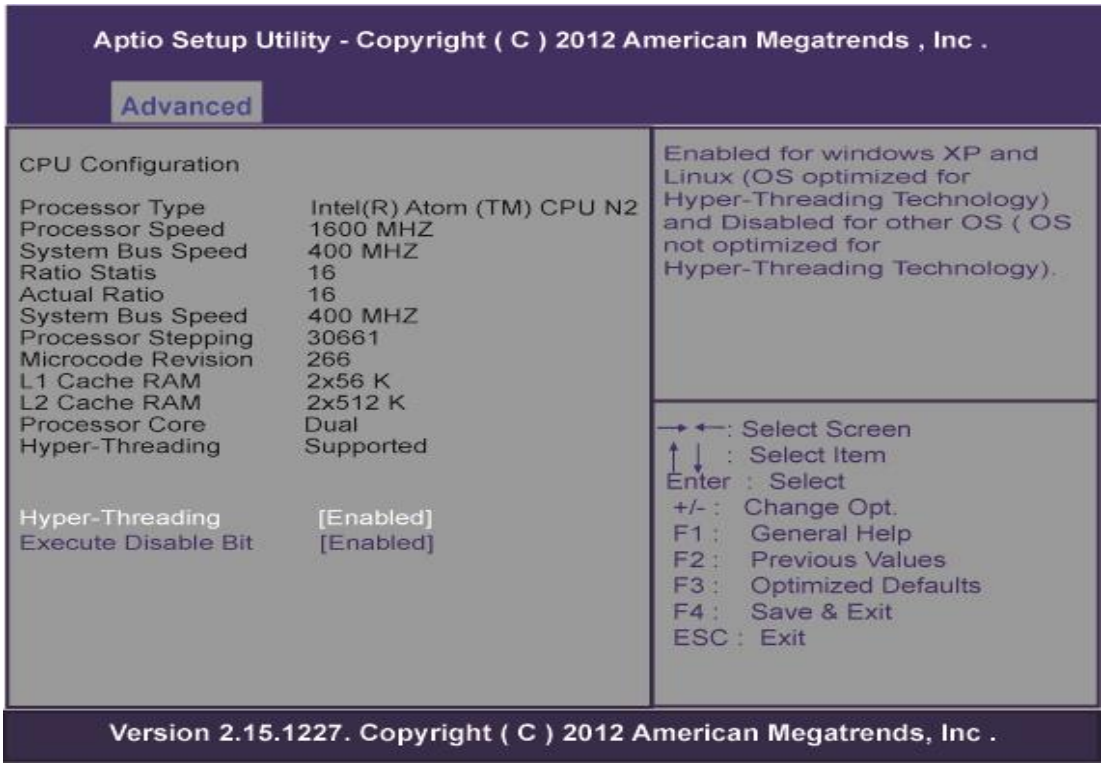


ACPI Sleep State

Use this item to select the highest ACPI sleep state the system will enter.

- **CPU Configuration**

This screen shows the CPU Configuration, and you can change the value of the selected option.



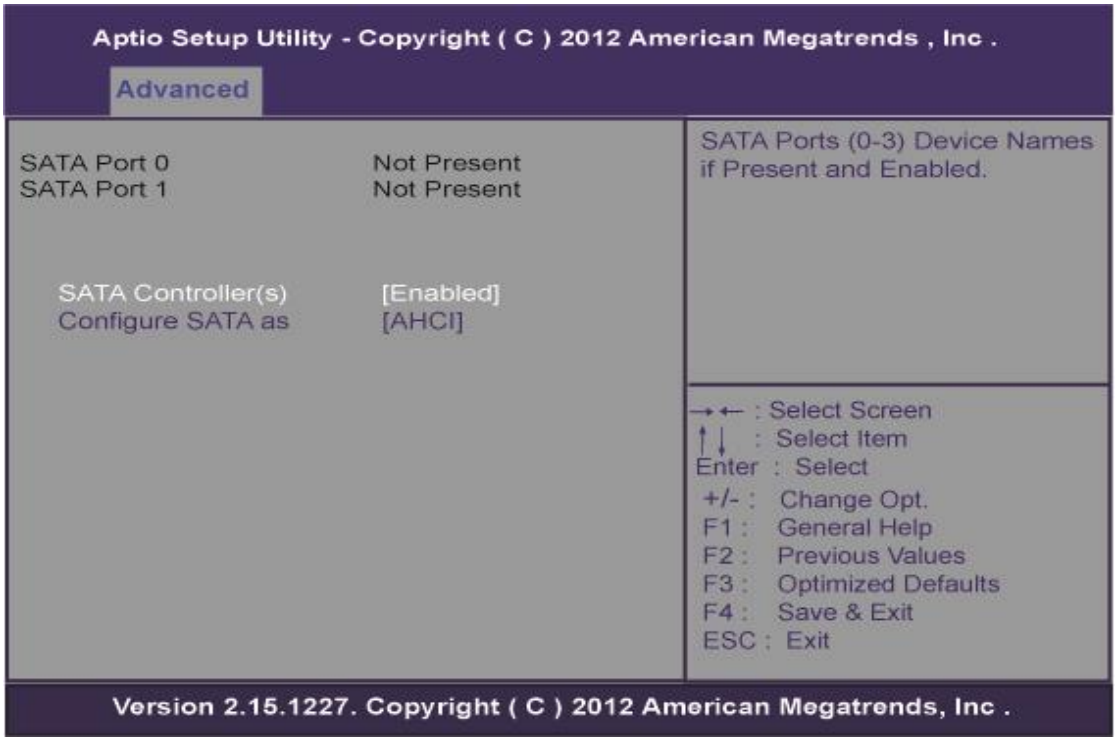
Hyper-Threading

Use this item to enable or disable Hyper-Threading Technology, which makes a single physical processor perform multi-tasking function as two logical ones.

Execute Disable Bit

XD can prevent certain classes of malicious buffer overflow attacks when combined with a supporting OS (Windows Server 2003 SP1, Windows XP SP2, SuSE Linux 9.2, RedHat Enterprise 3 Update 3).

- **IDE Configuration**

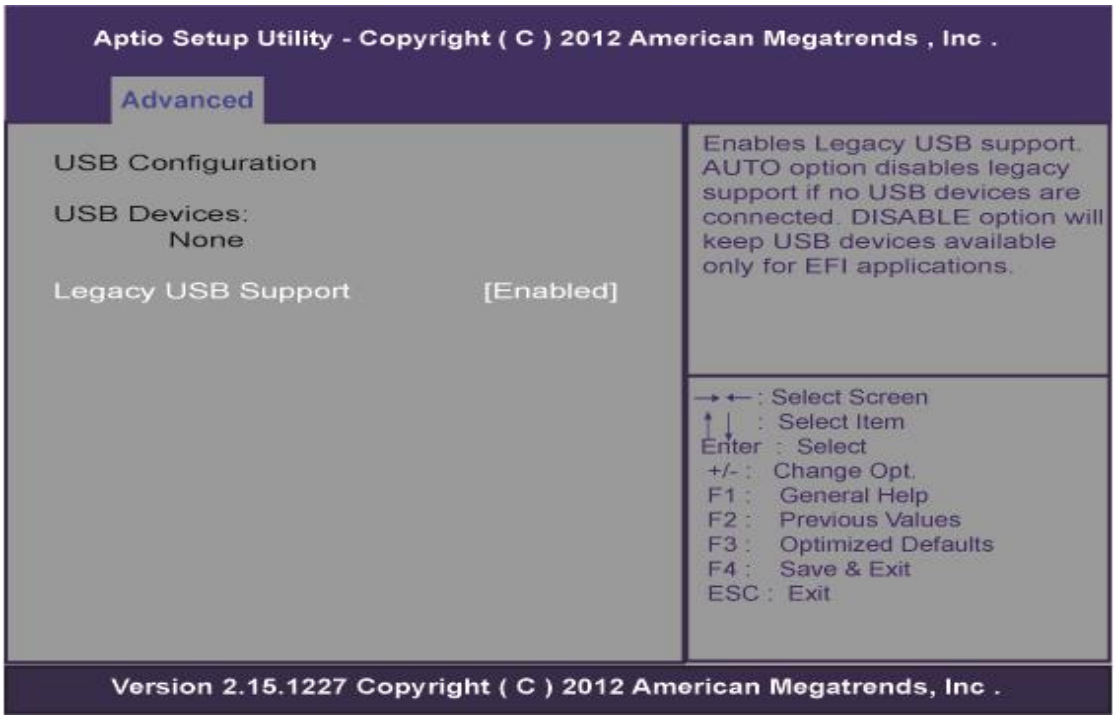


SATA Controller(s)
The optional settings are: [Disabled]; [Enabled].

Configure SATA as
The optional settings are: [IDE]; [AHCI].

- **USB Configuration**

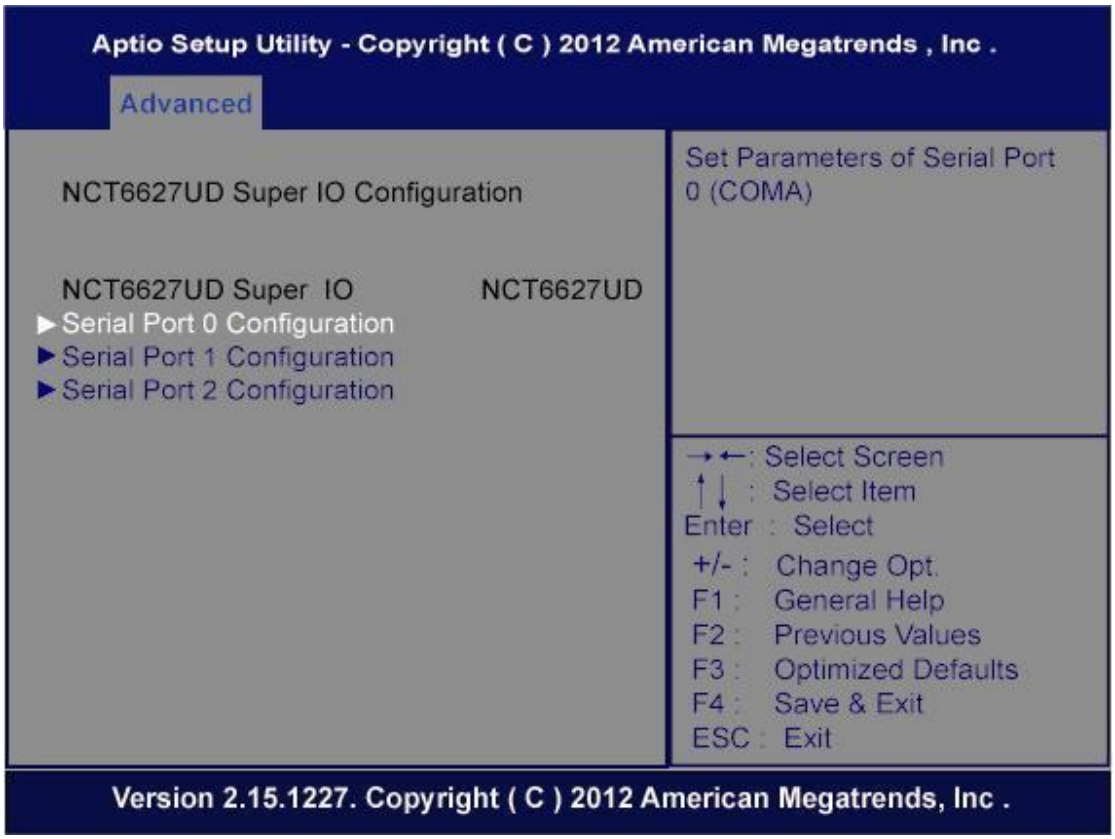
  You can use this screen to select options for the USB Configuration, and change the value of the selected option. A description of the selected item appears on the right side of the screen.



Legacy USB Support
The optional settings are: [Auto]; [Disabled]; [Enabled].

- **NCT6627UD Super IO Configuration**

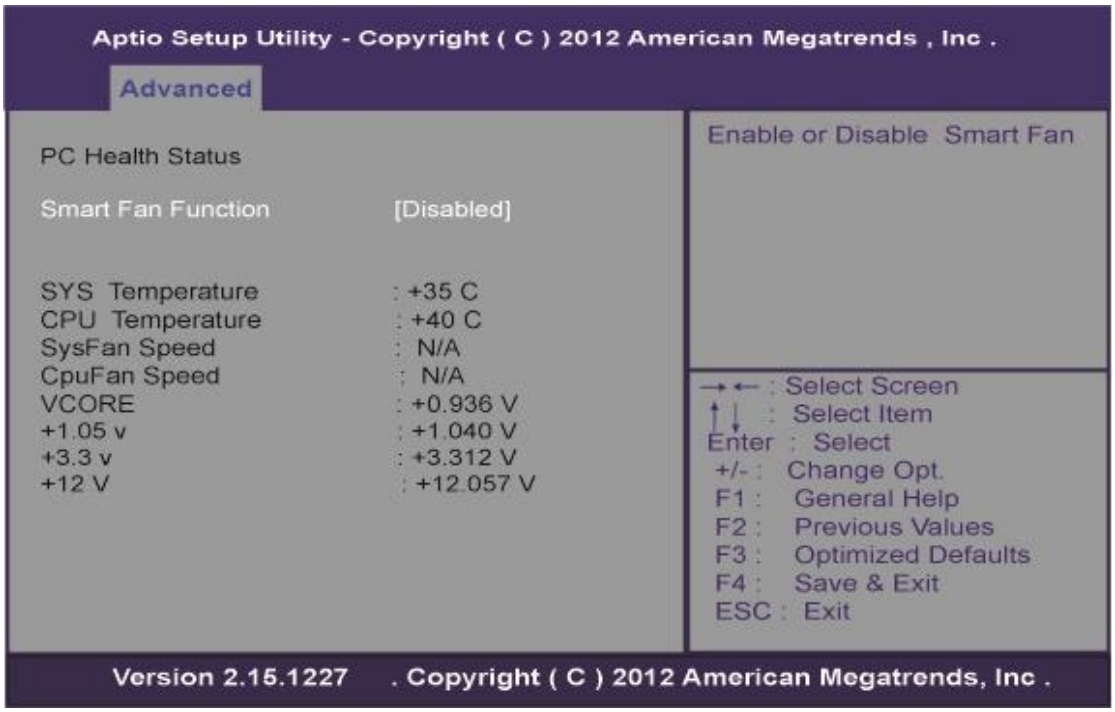
  You can use this screen to select options for the Super IO Configuration, and change the value of the selected option. A description of the selected item appears on the right side of the screen



Serial Port Configuration
Use this item to set parameters of serial port 0~1

- **PC Health Status**

This screen shows the Hardware Health Configuration, and a description of the selected item appears on the right side of the screen.

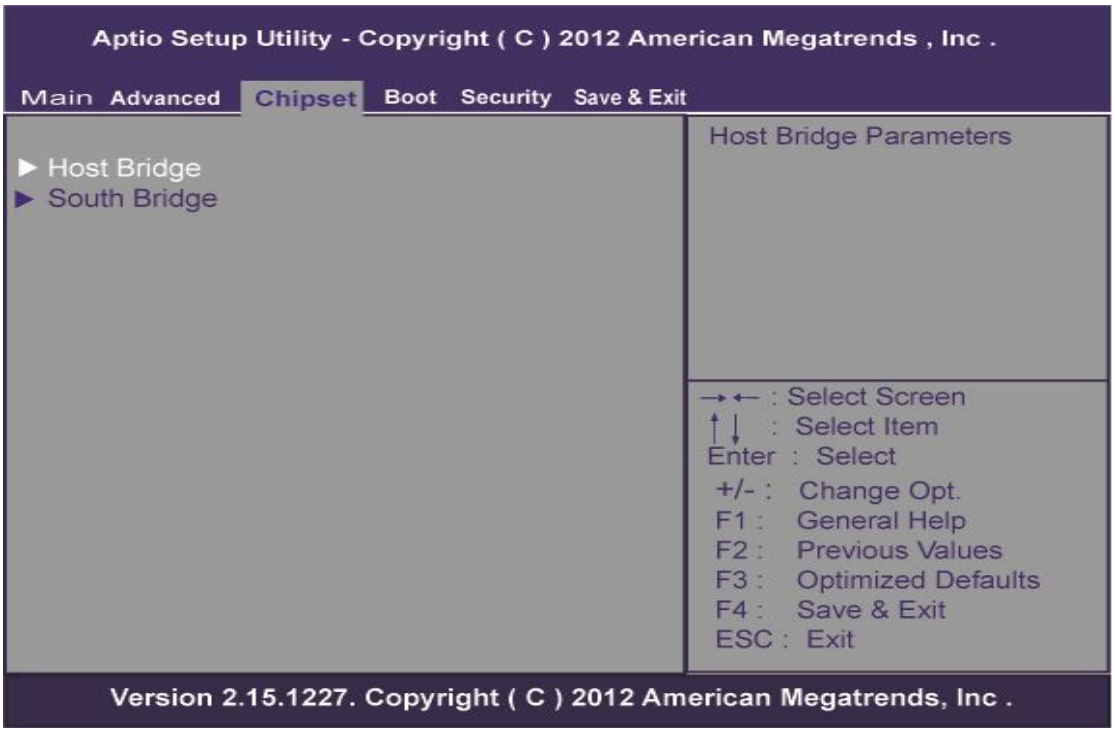


3.5 Chipset Menu

The Chipset menu allows users to change the advanced chipset settings. You can select any of the items in the left frame of the screen to go to the sub menus:

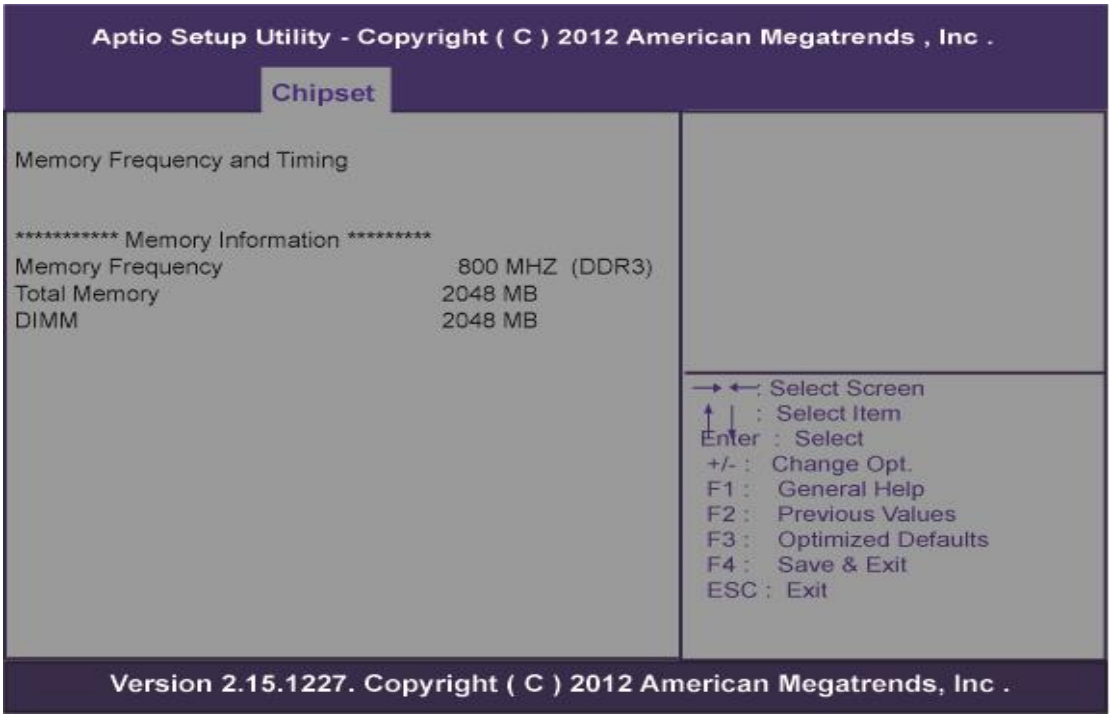
► **Host Bridge**
Host Bridge For items marked with "►", please press <Enter> for more options.

► **South Bridge**
South Bridge For items marked with "►", please press <Enter> for more options.



- **Memory Information**

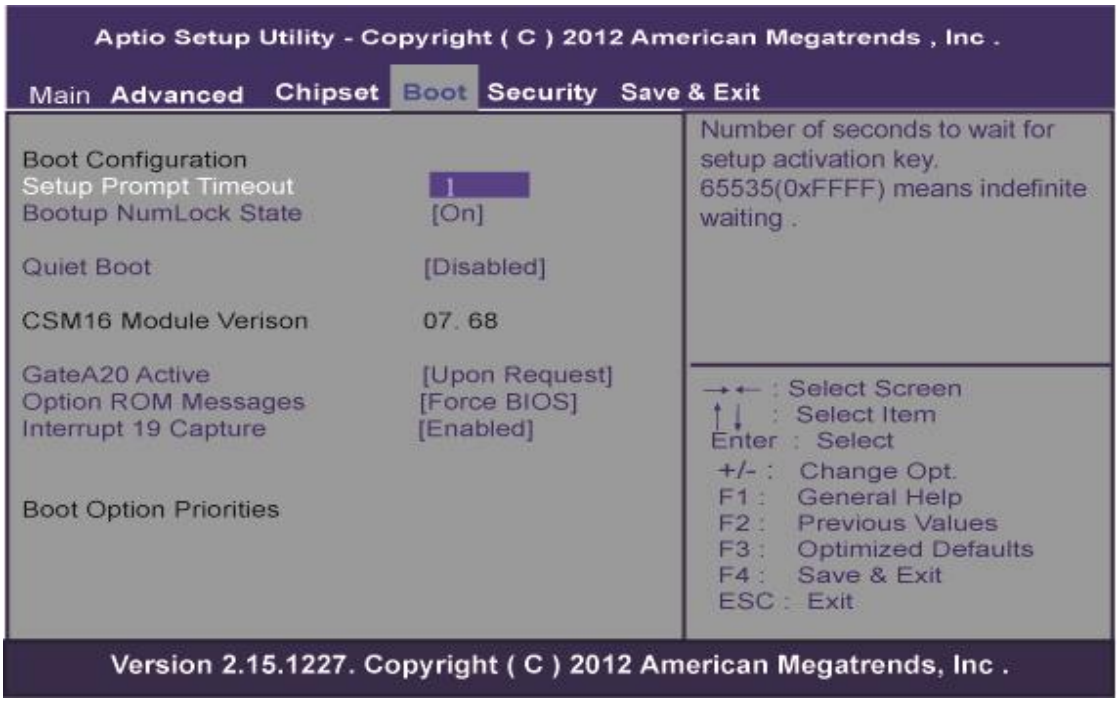
  This item is for memory frequency and timing settings. Press <Enter> to go to the sub menu.



3.6 Boot Menu

The Boot menu allows users to change boot options of the system.

- **Boot Settings Configuration**



Setup Prompt Timeout
Use this item to set number of seconds to wait for setup activation key.

Bootup NumLock State
Use this item to select the power-on state for the NumLock.. The optional settings are: [On]; [Off].

GateA20 Active
If Upon Request is selected, GA20 can be disabled using BIOS services. If Always is selected, disabling G20 is not allowed; this option is useful when any RT code is executed above 1MB.

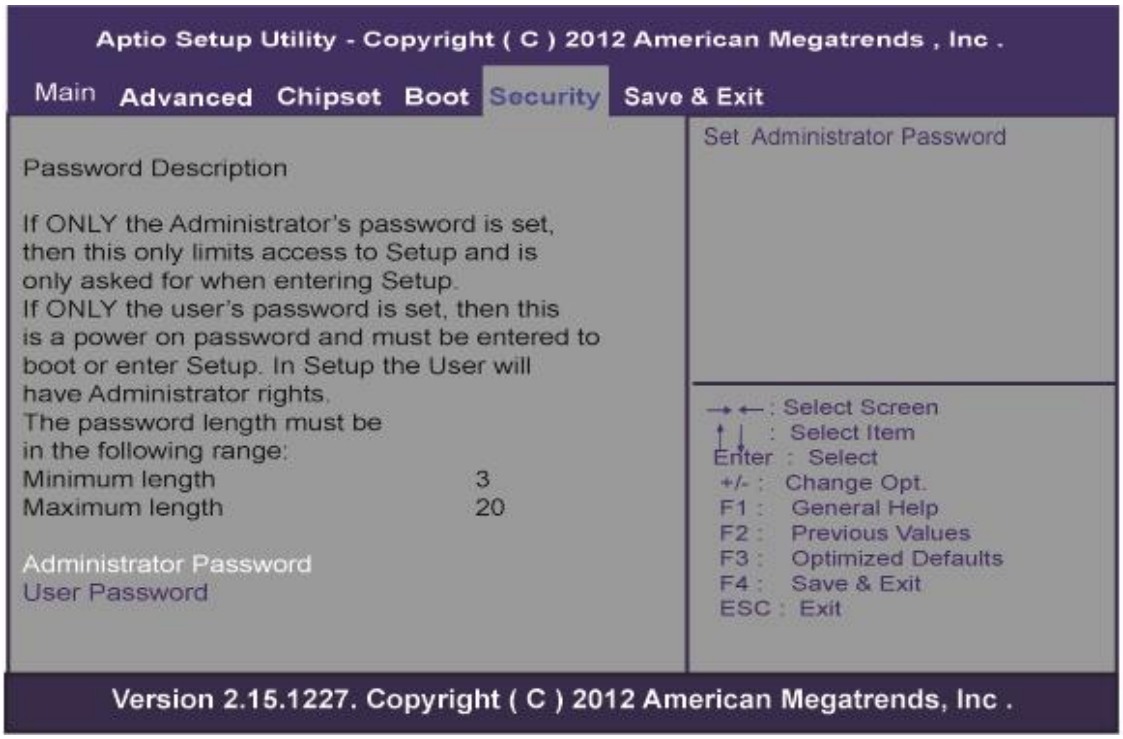
Option ROM Messages
Set display mode for option ROM. Configuration options are Force BIOS and Keep Current.

Interrupt 19 Capture
If this item is enabled, this function makes the option ROM to trap Interrupt 19.

Boot Option Priorities
These are settings for boot priority. Specify the boot device priority sequence from the available devices.

3.7 Security Menu

The Security menu allows users to change the security settings for the system.

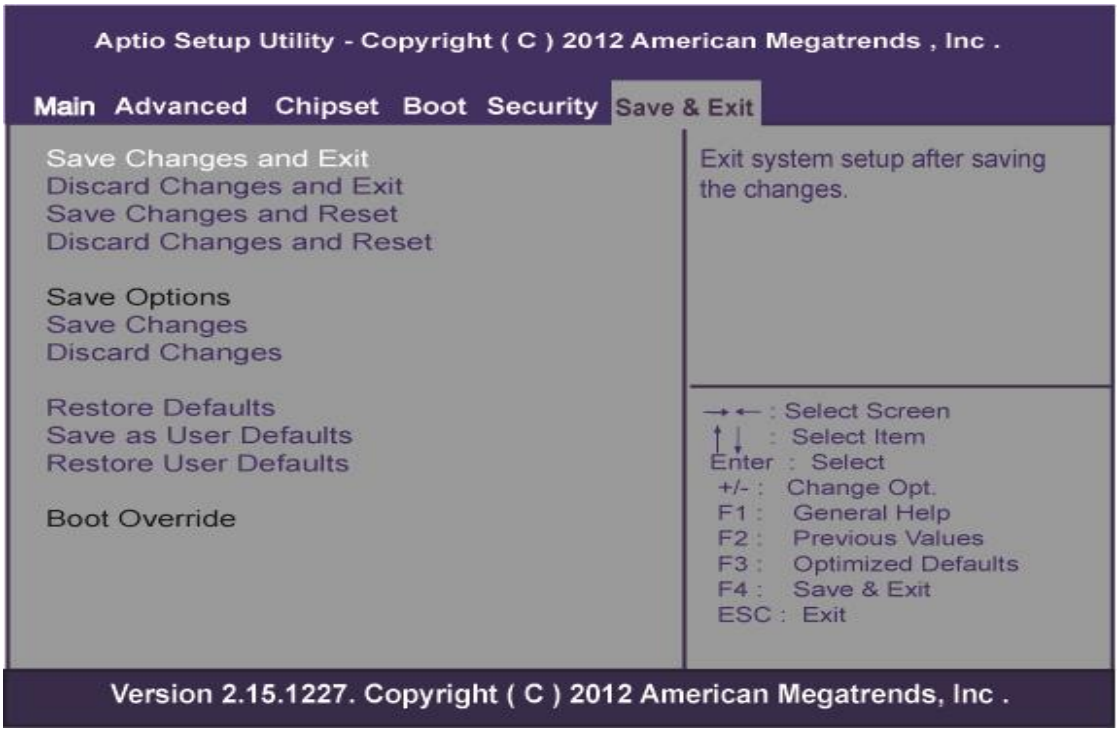


Administrator Password
This item indicates whether an administrator password has been set. If the password has been installed, Installed displays. If not, Not Installed displays.

User Password
This item indicates whether an user password has been set. If the password has been installed, Installed displays. If not, Not Installed displays.

3.8 Save & Exit Menu

The Save & Exit menu allows users to load your system configuration with optimal or fail-safe default values.



Save Changes and Exit
When you have completed the system configuration changes, select this option to leave Setup and reboot the computer so the new system configuration parameters can take effect. Select Save Changes and Exit from the Exit menu and press <Enter>. Select Ok to save changes and exit.

Discard Changes and Exit
Select this option to quit Setup without making any permanent changes to the system configuration. Select Discard Changes and Exit from the Exit menu and press <Enter>. Select Ok to discard changes and exit.

Save Changes and Reset
When you have completed the system configuration changes, select this option to leave Setup and reboot the computer so the new system configuration parameters can take effect. Select Save Changes and Reset from the Save & Exit menu and press <Enter>. Select Yes to save changes and reset.

Discard Changes and Reset
Select this option to quit Setup without making any permanent changes to the system configuration and reboot the computer. Select Discard Changes and Reset from the Save & Exit menu and press <Enter>. Select Yes to discard changes and reset.

Save Changes
When you have completed the system configuration changes, select this option to save changes. Select Save Changes from the Save & Exit menu and press <Enter>. Select yes to save changes.

Discard Changes
Select this option to quit Setup without making any permanent changes to the system configuration. Select Discard Changes from the Save & Exit menu and press <Enter>. Select Yes to discard changes.

Restore Defaults
It automatically sets all Setup options to a complete set of default settings when you select this option. Select Restore Defaults from the Save & Exit menu and press <Enter>.

Save as User Defaults
Select this option to save system configuration changes done so far as User Defaults. Select Save as User Defaults from the Save & Exit menu and press <Enter>.

Restore User Defaults
It automatically sets all Setup options to a complete set of User Defaults when you select this option. Select Restore User Defaults from the Save & Exit menu and press <Enter>.

Boot Override
Select a drive to immediately boot that device regardless of the current boot order.

Note: If you want to use a CF card that capacity is less than 2GB (such as 1GB, 512MB), we recommend you may switch "AHCI mode" to "IDE mode" with "Configure SATA as" of the BIOS setting.
And please make sure your Operating System (Ex: Windows Embedded) is installed with "IDE" driver.

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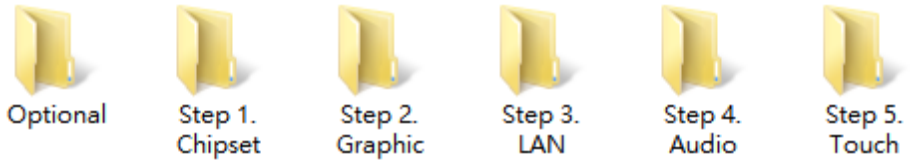
Chapter 4
Drivers Installation

4.1 System

GOT5100T-832 supports Windows 7 32-bit and WES 7. To facilitate the installation of system driver, please carefully read the instructions in this chapter before start installing.

Step 1 Insert Driver CD and select the "\Driver".



Step 2 Select all files and follow the installing procedure.

4.2 Touch Screen

The GOT5100T-832 uses the 5-wire analog resistive touch panel. There are the specification and driver installation which are listed below.

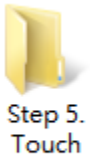
- **Specification**

Touch Screen	5-wire Analog Resistive type
Touch Screen Controller	PenMount 6000 USB Touch Screen Controller IC
Communications	USB interface
Resolution	10bit AD (1024 x 1024)
Power Input	5V
Power Consumption	Active: 24.6mA / Idle Mode: 13.4mA

- **Driver Installation- Windows 7**

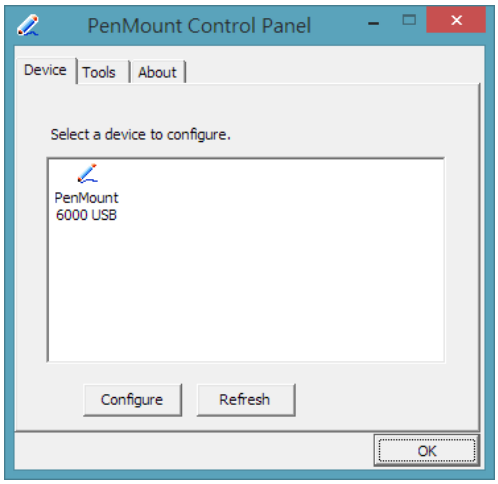
The GOT5100T-832 provides a touch screen driver that users can install it under the operating system Windows 7. To facilitate installation of the touch screen driver, you should read the instructions in this chapter carefully before you attempt installation.

Step 1 Insert Driver CD and follow the path to select the "\Driver\Step 5 - Touch".

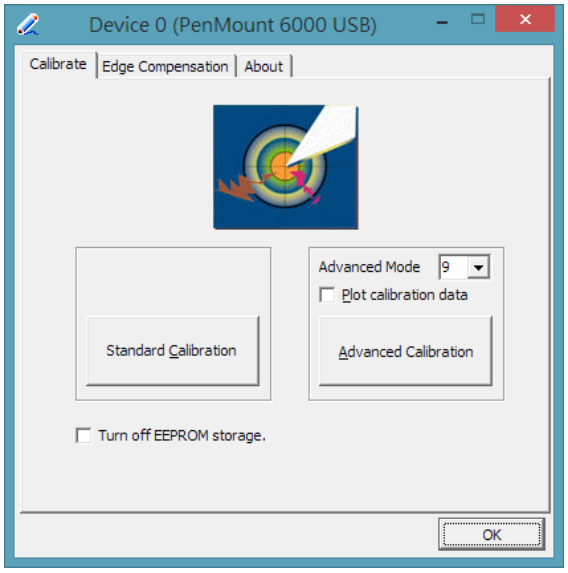


Step 2 Follow the installing procedure and press OK.

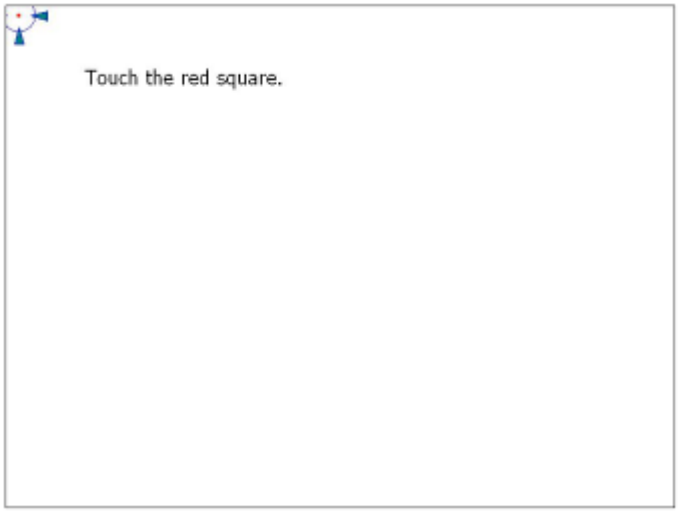
Step 3 Click Start menu and select "PenMount Utilities"; and then, a "PenMount Control Panel" pops out.



Step 4 Select the "Standard Calibrate" tab.



Step 5 **Calibration:**
To adjust the display with touch panel, click "Calibration" and follow the calibrate point to do calibration; there are five points on screen for calibration.



Step 6 **Press OK.**

Note: ***The windows may be out of rang, because the resolution requests 1024x768 or above when using WIN 7.***

Note: ***For the better system performance, please close the Windows AERO or change to Windows Basic mode.***

4.3 Embedded O.S.

The GOT5100T-832 provides the Windows 7 Embedded. The O.S. is supported devices which are listed below.

- **WES 7**

Here are supported onboard devices:

- Onboard Multi I/O
- SATA HDD
- USB
- CRT/LCD display
- 10/100/1000 base-T Ethernet
- Compact Flash
- Onboard Audio
- Touch Screen

PenMount Touch screen

Before you can use and calibrate it, here is what you should do:

1. Set up Penmount touch device driver by executing C:\Penmount\ Windows 2000-XP V5.0\setup.exe. When the installation is finished, an icon "PM" appears on the Taskbar.

2. Calibrate Penmount touch by clicking on the "PM" icon, and the go on the calibration.

3. Restart the computer.

Please be informed if you use the Windows XP OS, the graphic driver supported by Intel is EMGD, there are three known issues as below:

Note: ***The Intel EMGD package does not include Intel HD audio driver, there will be an unknown device under device manager.***

Note: ***3D Graphic render function is not supported.***

- ## Windows Embedded Compact 7 (Win CE 7.0)

Here are supported onboard devices:

- Onboard Multi I/O
- SATA HDD
- USB
- CRT/LCD display
- 10/100/1000 base-T Ethernet
- CompactFlash™
- Onboard Audio
- Touch Screen

Calibration Touch screen

In this image we add Penmount Touch drivers and utilities. It is customized for 800 x 600.

Calibration:
1. Click "Calibration" on desktop to calibrate touch screen.
In the start\programs menu, select "save registry", thus Calibration data will be saved and effective in next booting.

Note: You may switch "AHCI mode" to "IDE mode" with "Configure SATA as" of the BIOS setting due to Win CE doesn't support AHCI.