Powering Better Guest™ Experiences

EverServ 500

Users Guide

PN770504019

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INTRODUCTION

The following guide provides information about the EverServ 500. It is presented in four sections as outlined in the table below.

Introduction	Register cabling diagram, sample system configurations.
Equipment Description	Specifications, a detailed description of each system components.
Turn On/Off	Turning on/off EverServ register.
BIOS	Provides information on BIOS configurations.

GLOSSARY OF TERMS

- LCD – Liquid Crystal Display
- VGA – Video Graphics Array
- EFT – Electronic Funds Transfer
- LAN – Local Area Network
- DDR – Double Date Rate
- POS – Point of Sale
- BIOS – Basic Input Output System
- PCI – Peripheral Component Interconnect
- PnP – Plug and Play
- IDE – Integrated/Intelligent Drive Electronics
- ACPI – Advanced Configuration and Power Interface
- SSD – Solid State Drive

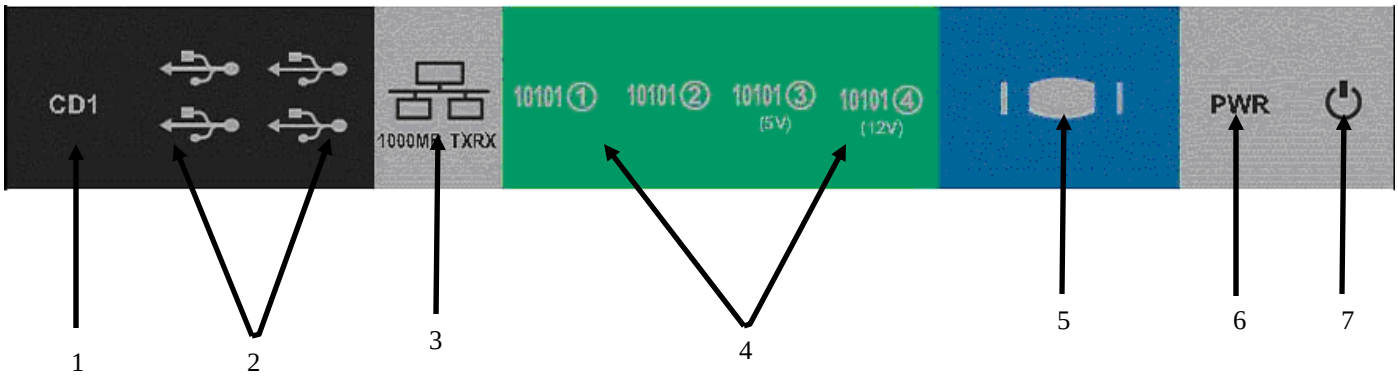
EQUIPMENT DESCRIPTION

POS REGISTER

	Item	Description
1.	Power Indicator	Shows that power is present.
2.	Magnetic card reader	Accepts employee keycards. Provides access to functions.
3.	LCD Display	A touch screen that shows programming or order information.
4.	Customer Display	Displays to the customer order total, tax total, and any change due. It may also show present advertisement information or messages.

CONNECTOR WELLS

	Item	Description
1.	Cash Drawer Receptacle	Connects to cash drawer. (19V DC/Default)
2.	USB Ports	Connects to coin dispensers, remote customer displays, remote order displays, EFT devices, printers.
3.	LAN	Connects to a LAN cable.
4.	COM RJ45 Port	Connects to external peripherals.
5.	VGA	Connects to other displays.
6.	Power Input	Provides power to unit.
7.	Power Switch	Push in to turn unit on, push and hold to turn unit off. You can reach it by sliding your hand under the right side of the register.



SPECIFICATIONS

FEATURES

Description

PROCESSORS:

Intel Cedar Trail 1.86 GHz D2550

MEMORY:

2 GB/1066MHz (Up to 4 GB - 1 Slot supported) – (M5100, M5100-01 or M5100-02)
4GB/1066MHz (M5100-03 only)

DISPLAYS:

15” XGA LCD
Integrated 2x20 LCD Display

MAGNETIC STRIP READERS:

Built in 3 Track USB Swipe Reader

PROGRAM/DATA STORAGE:

320 GB 2.5” SATA HDD – (M5100 or M5100-01 only)
60 GB Minimum SATA SSD – (M5100-02 or M5100-03 only)

CASH DRAWER:

19V DC Default
Cash Drawer Adapter Cable (C2355)

SERIAL PORT ADAPTER:

2- C8200 RJ-50/DB-9 Serial Adapter Cables

BIOS

Introduction

This user manual describes the Phoenix BIOS setup program and configuration options of the EverServ motherboard. The BIOS setup program allows users to modify the basic system configuration of the EverServ motherboard.

Starting Setup

The PHOENIX BIOS is activated when the computer is turned on. The setup program can be activated in one of two ways.

1. Press the **DELETE** key as soon as the system is turned on or
2. Press the **DELETE** key when the "**Press Del to enter SETUP**" message appears on the screen.

If the message disappears before the **DELETE** key is pressed, restart the computer and try again.

Using Setup

Use the arrow keys to highlight items, press **ENTER** to select, use the PageUp and PageDown keys to change entries, press **F1** for help and press **ESC** to quit. Navigation keys are shown in.

Key	Function
Up arrow	Move to previous item
Down arrow	Move to next item
Left arrow	Move to the item on the left hand side
Right arrow	Move to the item on the right hand side
Esc key	Main Menu – Quit and not save changes Status Page Setup Menu and Option Page Setup Menu -- Exit current page and return to Main Menu
Page Up key	Increase the numeric value or make changes
Page Dn key	Decrease the numeric value or make changes
F1 key	General help, only for Status Page Setup Menu and Option Page Setup Menu
F10 key	Save all changes, only for Main Menu

Getting Help

When **F1** is pressed a small help window describing the appropriate keys to use and the possible selections for the highlighted item appears. To exit the Help Window press **ESC** or the **F1** key again.

BIOS Menu Bar

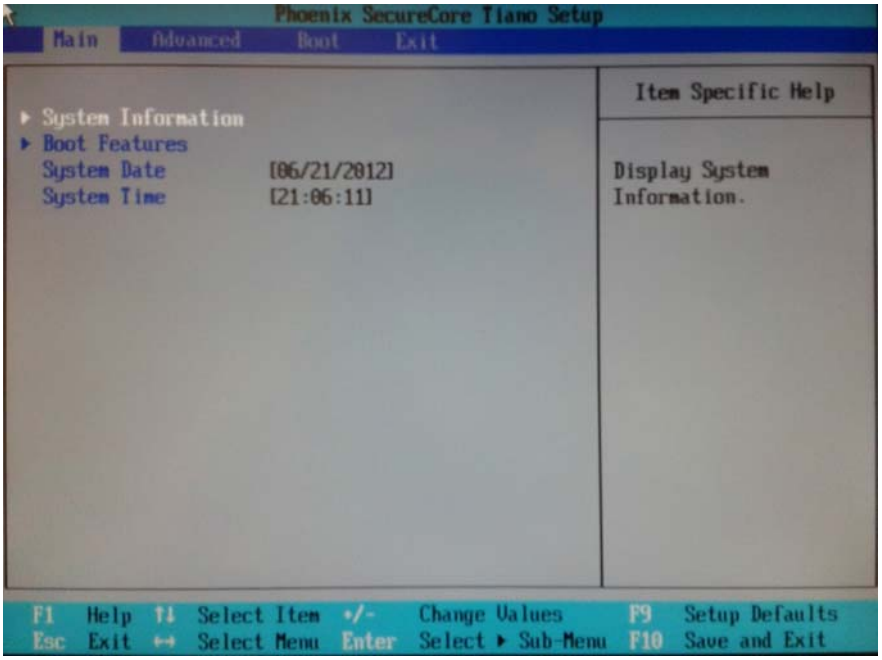
The **menu bar** on top of the BIOS screen has the following main items:

- **Main** Changes the basic system configuration.
- **Advanced** Changes the advanced system settings.
- **Boot** Changes the system boot configuration.
- **Exit** Selects exit options and loads default settings

The following sections completely describe the configuration options found in the menu items at the top of the BIOS screen and listed above.

Main

The **Main** BIOS menu appears when the **BIOS Setup** program is entered. The **Main** menu gives an overview of the basic system information.



BIOS Menu 1: Main

➔ System Information

The **System Information** lists a brief summary of different system components. The fields in **System Information** cannot be changed. The items shown in the system overview include:

- **Phoenix BIOS**: Displays auto-detected BIOS information
  - **Version**: Current BIOS version
  - **Build Date**: Date the current BIOS version was made
- **Processor**: Displays auto-detected CPU specifications
  - **Speed**: Lists the processor speed
- **System Memory**: Displays the auto-detected system memory.
  - **Size**: Lists memory size

The **System Overview** field also has two user configurable fields:

➔ System Time [xx:xx:xx]

Use the **System Time** option to set the system time. Manually enter the hours, minutes and seconds.

➔ System Date [xx/xx/xx]

Use the **System Date** option to set the system date. Manually enter the day, month and year.

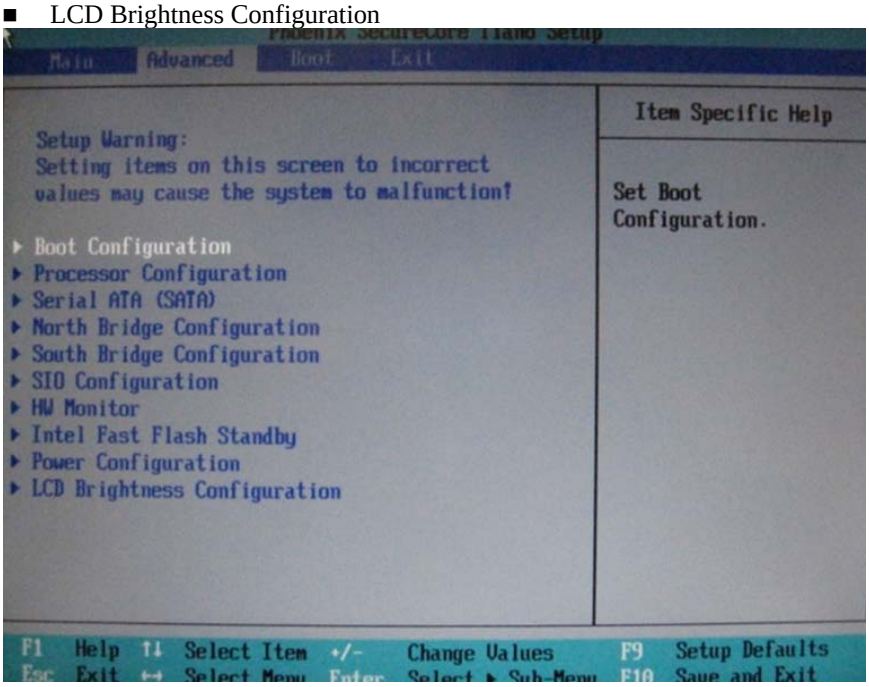
Advanced

Use the **Advanced** menu to configure the CPU and peripheral devices through the following sub-menus:

WARNING:

Setting the wrong values in the sections below may cause the system to malfunction. Make sure that the settings made are compatible with the hardware.

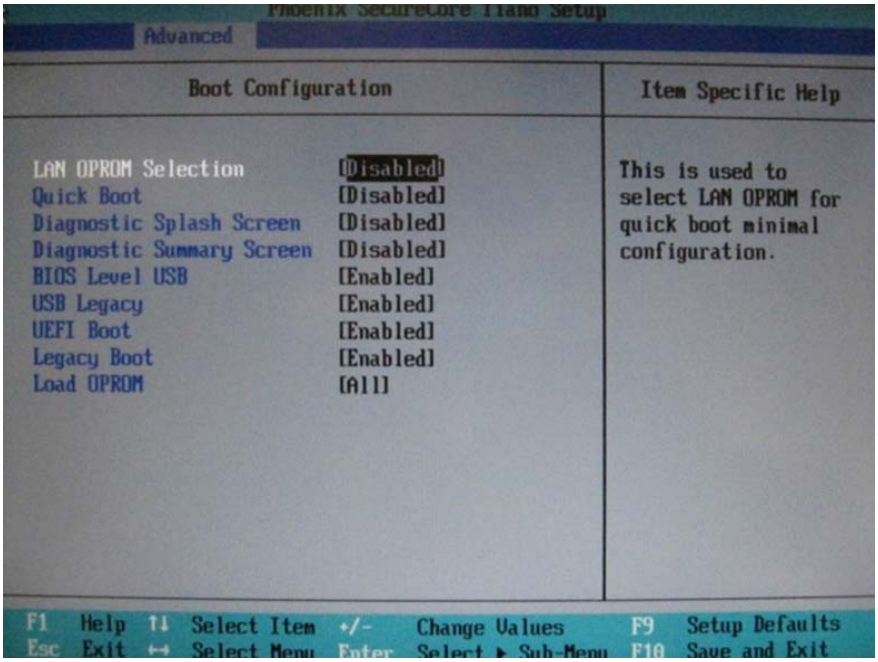
- Boot Configuration
- Processor Configuration
- Serial ATA (SATA)
- North Bridge Configuration
- South Bridge Configuration
- SIO Configuration
- HW Monitor
- Intel Fast Flash Standby
- Power Configuration
- LCD Brightness Configuration



BIOS Menu 2: Advanced

Boot Configuration

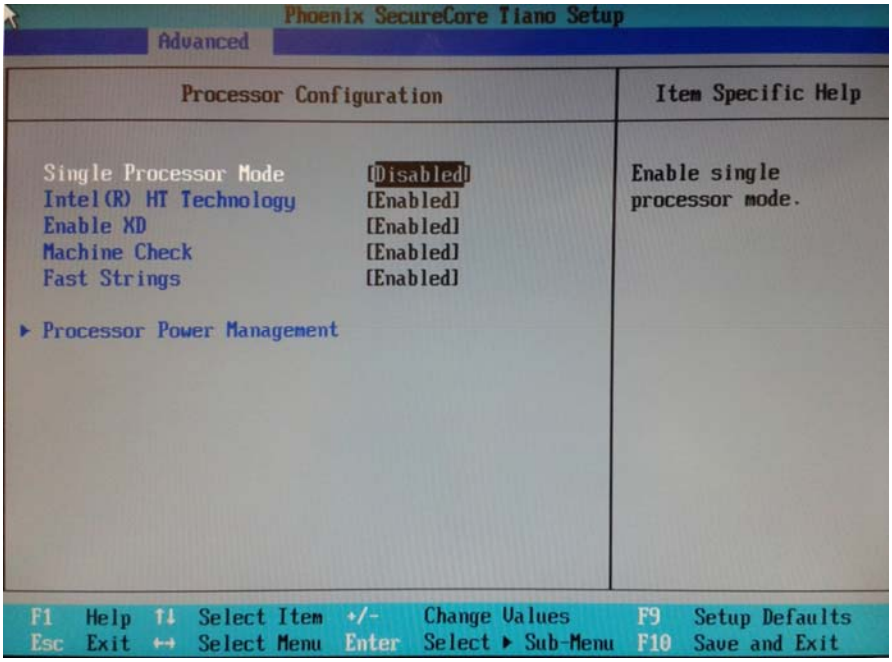
Use the **Boot** menu to configure system boot options.



BIOS Menu 3: Boot Configuration

Processor Configuration

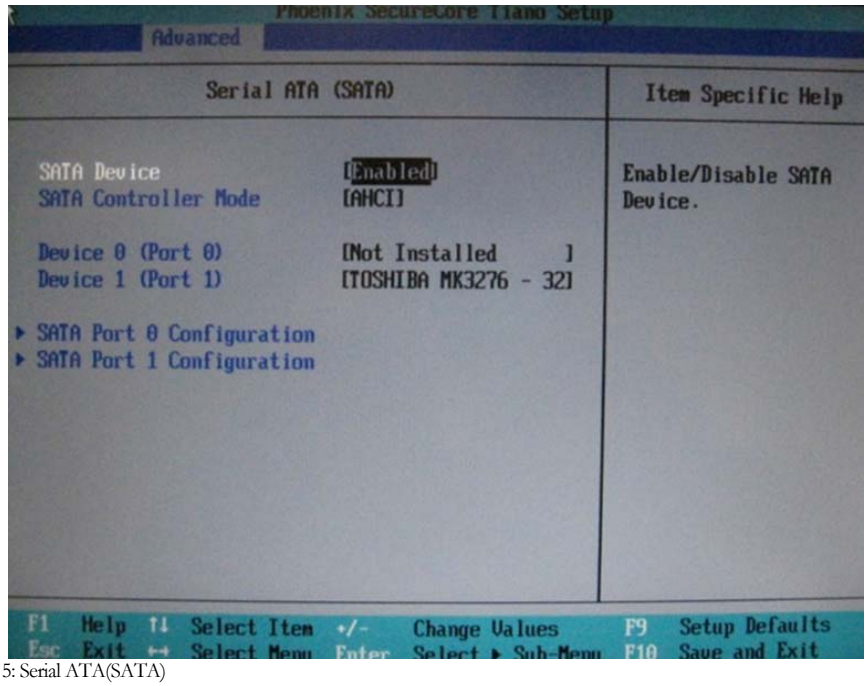
Use the **Processor Configuration** menu to configure Processor options.



BIOS Menu 4: PROCESSOR Configuration

Serial ATA (SATA)

Use the **Serial ATA (SATA)** configuration menu to configure devices.

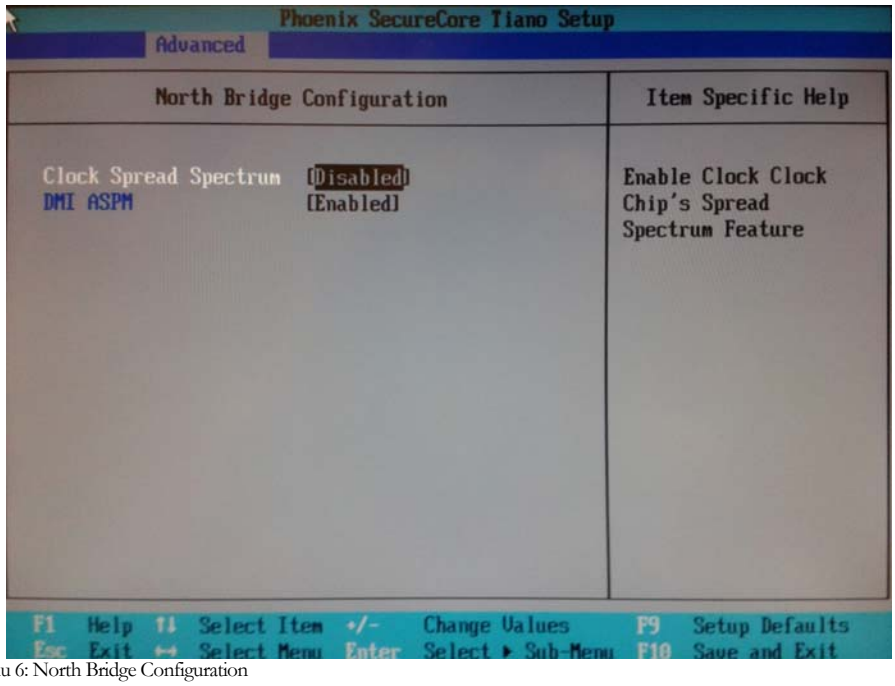


BIOS Menu 5: Serial ATA(SATA)

NOTE: If M5100-02 or M5100-03, information will show SSD Drive Model.

North Bridge Configuration

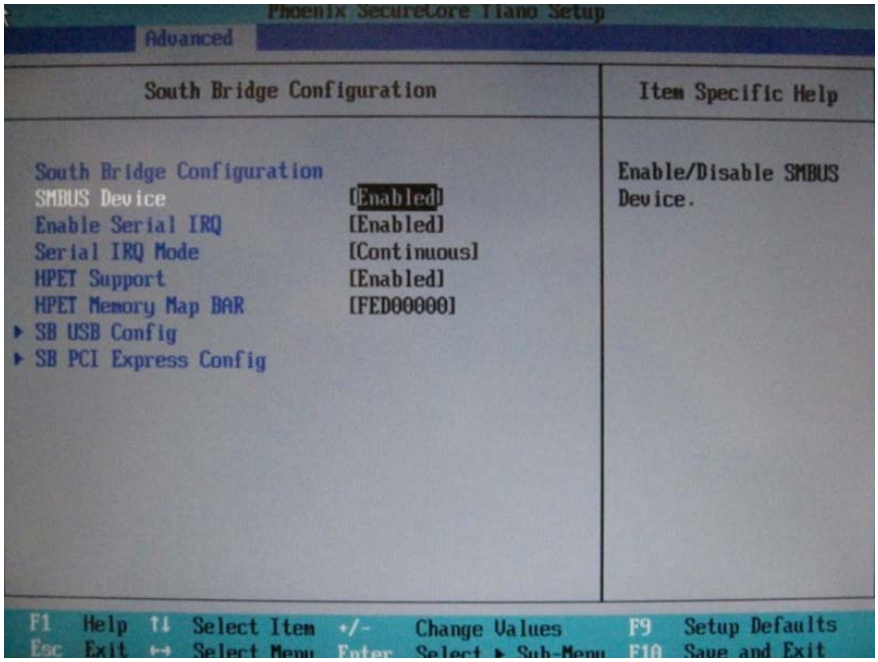
Use the **North Bridge Configuration** menu to configure the North Bridge chipset.



BIOS Menu 6: North Bridge Configuration

South Bridge Configuration

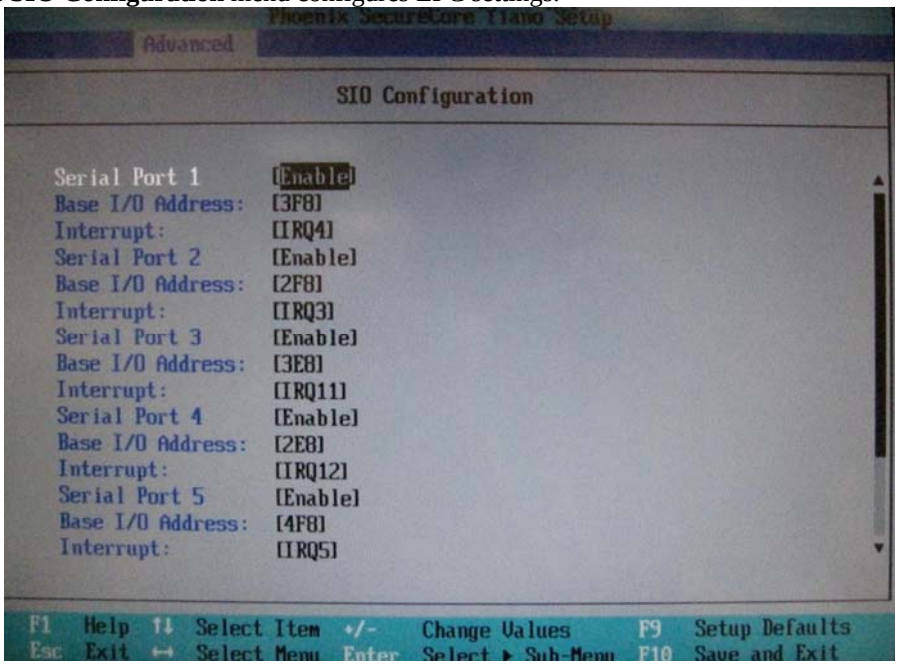
Use the **SouthBridge Configuration** menu to configure the South Bridge chipset.



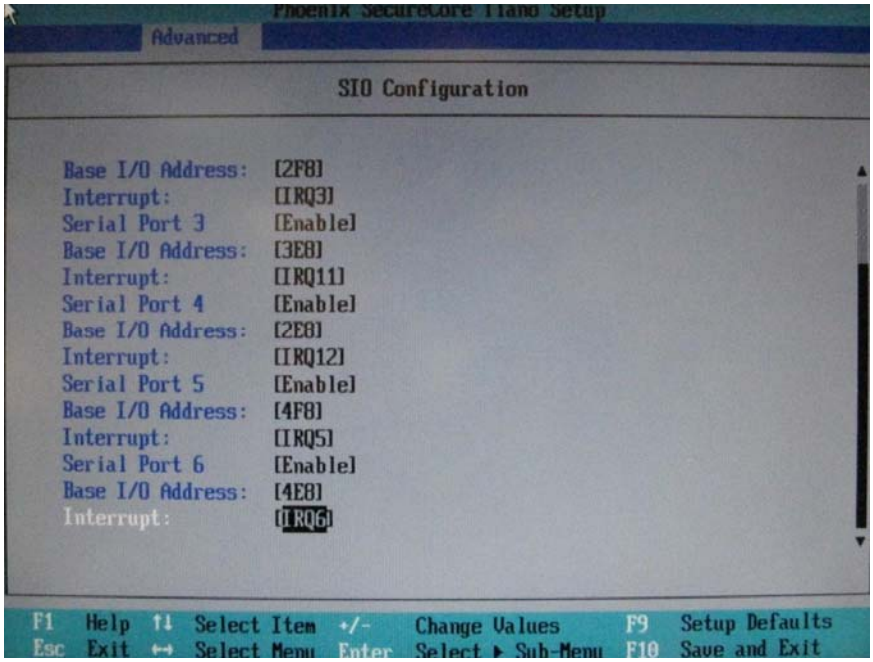
BIOS Menu 7: South Bridge Configuration

SIO Configuration

The **SIO Configuration** menu configures LPC settings.

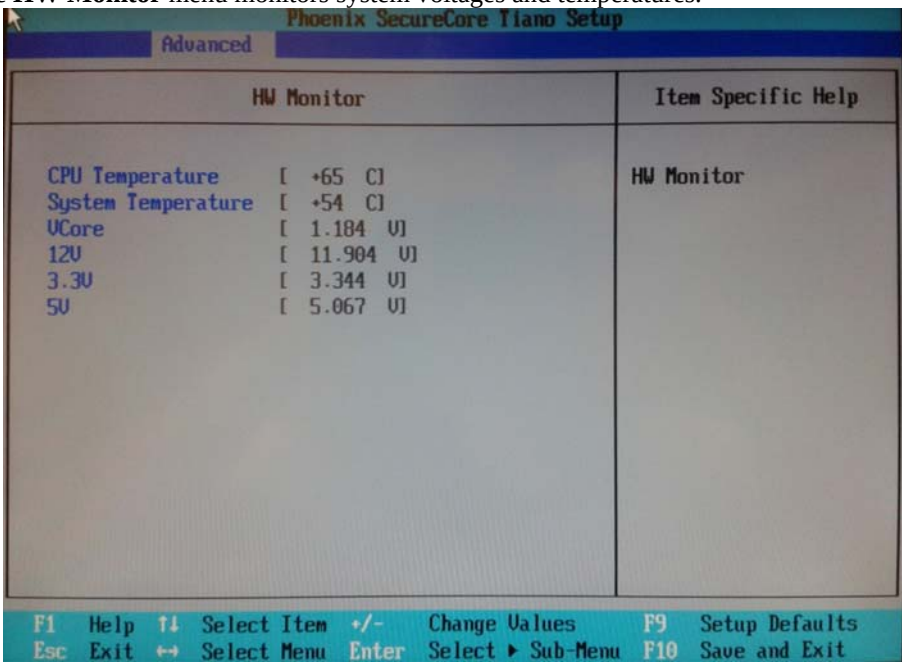


BIOS Menu 8: SIO Configuration



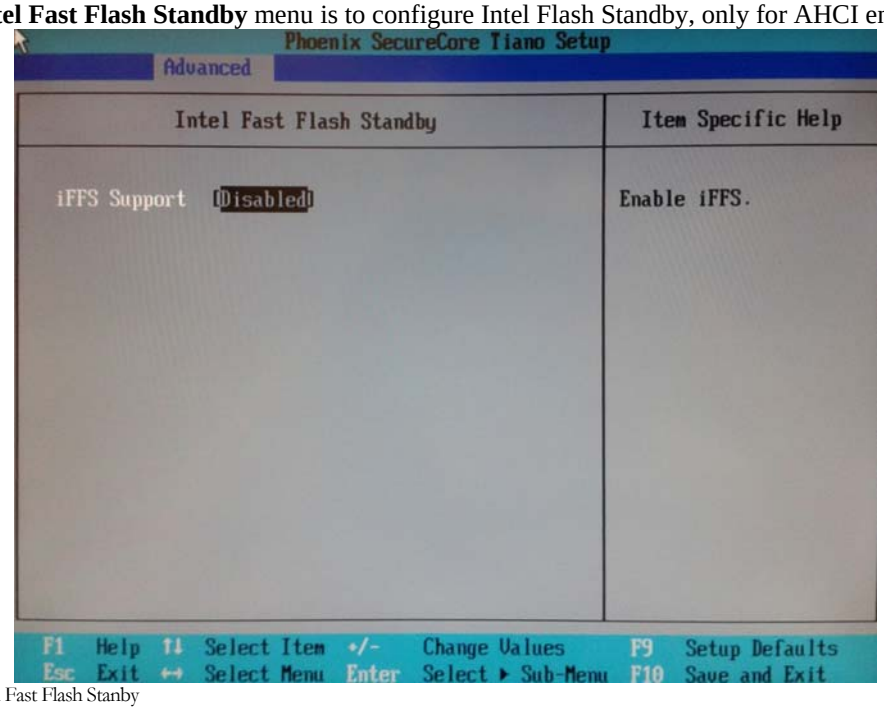
HW Monitor

The **HW Monitor** menu monitors system voltages and temperatures.



Intel Fast Flash Standby

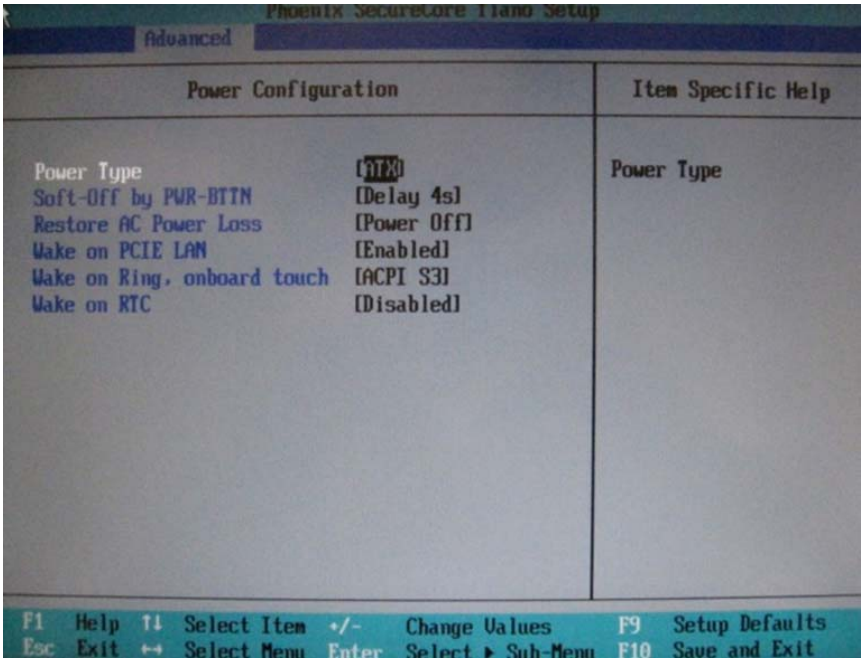
Use the **Intel Fast Flash Standby** menu is to configure Intel Flash Standby, only for AHCI enable.



BIOS Menu 9: Intel Fast Flash Stanby

Power Configuration

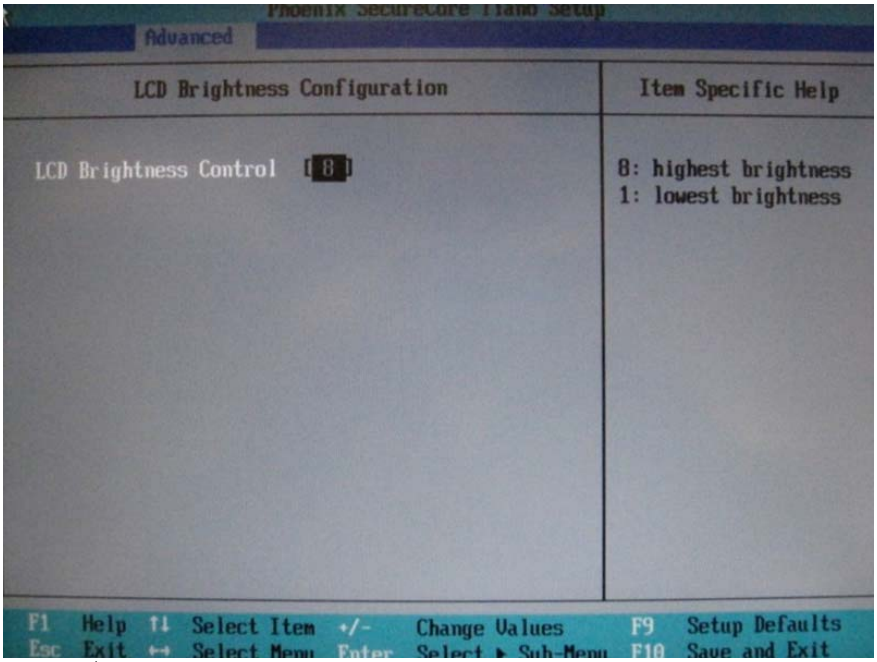
Use the **Power Configuration** menu to select power options.



BIOS Menu 10: Power Configuration

LCD Brightness Configuration

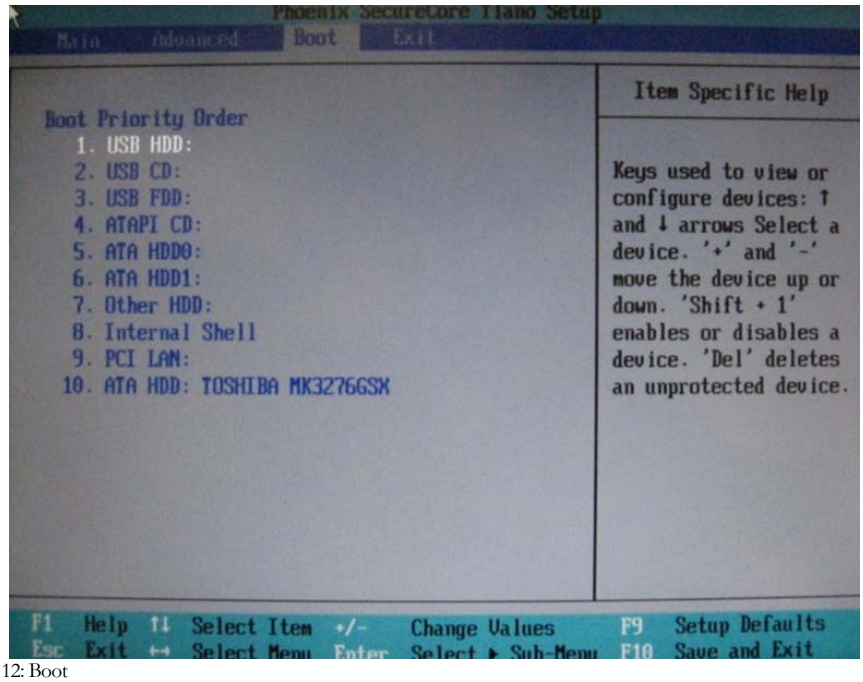
Use the **LCD Brightness Configuration** menu to select power options for VGA/COM and control LCD Brightness.



BIOS Menu 11: VGA/COM Power and LCD Brightness Configuration

Boot

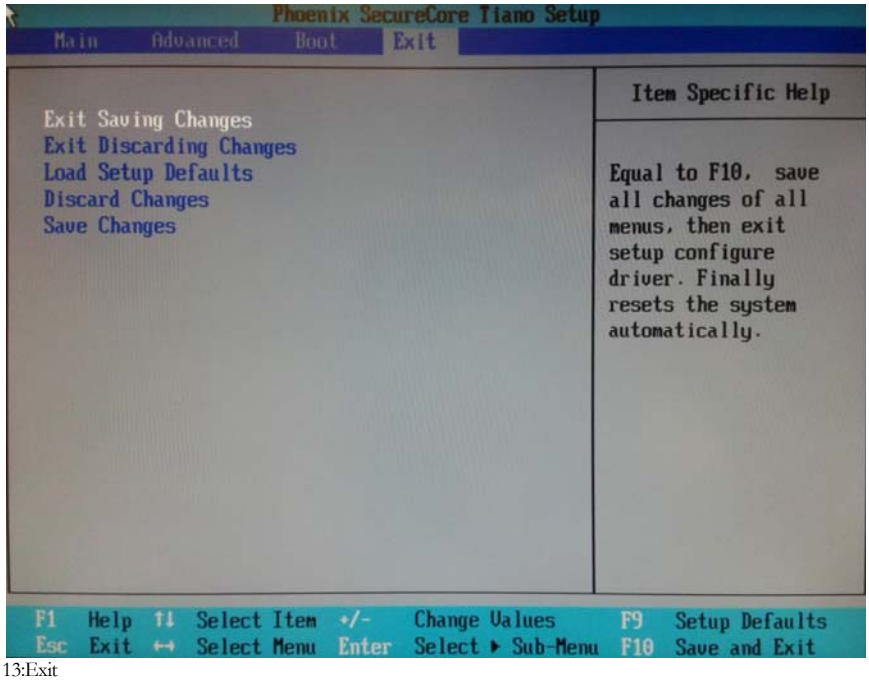
Use the **Boot** menu to configure system boot priority options.



BIOS Menu 12: Boot

Exit

Use the **Exit** menu to load default BIOS values, optimal failsafe values and to save configuration changes.



BIOS Menu 13:Exit

➔ Exit Saving Changes

Use the **Exit Saving Changes** option to save the changes made to the BIOS options and to exit the BIOS configuration setup program.

➔ Exit Discarding Changes

Use the **Exit Discarding Changes** option to never save the changes made to the BIOS options and to exit the BIOS configuration setup program.

➔ Load Setup Defaults

Use the **Load Setup Defaults** option to reset all standard default values.

➔ Discard Changes

Use the **Discard Changes** option to load the original value of this boot time.

➔ Save Changes

Use the **Save Changes** option to save the changes made to the BIOS options and to not exit the BIOS configuration setup program.

SAFETY

- Before connecting cables or devices to connector wells, please turn off the power first thus preventing potential ESD damage.

- The service related to human safety is not allowed because this device may have the possibility of the radio interference.

- As this equipment has undergone EMC registration for business purpose ("A" class), the seller and/or the buyer is asked to beware of this point and designed to be used in the area, except for home use.

Battery Warning

A lithium coin-type battery is installed on the EverServ 500 motherboard. If this battery is replaced, it must be replaced with an equivalent battery type. Dispose of used battery according to the local disposal instructions.

PAR PHONE NUMBERS

Service

USA: 800.382.6200

Canada: 800.387.4963

Parts

USA: 800.PAR.PART

Canada: 800.387.4963

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Continental USA except New York: 800.448.6505

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