

# BIOS Setup

(for Cavium Platform)

User's Guide

Rev.1.0

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# Table of Contents

Chapter 1 BIOS Setup .....	4
1-1 The Main Menu .....	6
1-1-1 Memory Slot Information .....	9
1-2 Advanced Menu .....	10
1-2-1 S5 RTC Wake Settings .....	11
1-2-2 Serial Port Console Redirection .....	12
1-2-3 Network Stack .....	15
1-2-4 SATA Configuration .....	17
1-2-5 Info Report Configuration .....	18
1-2-6 NVME Configuration .....	19
1-2-7 USB Configuration .....	20
1-2-8 Chipset Configuration .....	21
1-3 Security Menu .....	22
1-4 Boot Menu .....	23
1-5 Exit Menu .....	25
1-6 Server Management Menu .....	27
1-6-1 System Event Log .....	28
1-6-2 BMC Self Test Log .....	29
1-6-3 View FRU Information .....	30
1-6-4 BMC network configuration .....	31
1-6-5 IPv6 BMC network configuration .....	32

# Chapter 1 BIOS Setup

BIOS (Basic Input and Output System) records hardware parameters of the system in the EFI on the motherboard. Its major functions include conducting the Power-On Self-Test (POST) during system startup, saving system parameters and loading operating system, etc. BIOS includes a BIOS Setup program that allows the user to modify basic system configuration settings or to activate certain system features. When the power is turned off, the battery on the motherboard supplies the necessary power to the CMOS to keep the configuration values in the CMOS.

To access the BIOS Setup program, press the <DEL> key during the POST when the power is turned on.



- BIOS flashing is potentially risky, if you do not encounter problems of using the current BIOS version, it is recommended that you don't flash the BIOS. To flash the BIOS, do it with caution. Inadequate BIOS flashing may result in system malfunction.
- It is recommended that you not alter the default settings (unless you need to) to prevent system instability or other unexpected results. Inadequately altering the settings may result in system's failure to boot. If this occurs, try to clear the CMOS values and reset the board to default values. (Refer to the **Exit** section in this chapter or introductions of the battery/clearing CMOS jumper in Chapter 1 for how to clear the CMOS values.)

## BIOS Setup Program Function Keys

<←><→>	Move the selection bar to select the screen
<↑><↓>	Move the selection bar to select an item
<+>	Increase the numeric value or make changes
<->	Decrease the numeric value or make changes
<Enter>	Execute command or enter the submenu
<Esc>	Main Menu: Exit the BIOS Setup program Submenus: Exit current submenu
<F1>	Show descriptions of general help
<F3>	Restore the previous BIOS settings for the current submenus
<F9>	Load the Optimized BIOS default settings for the current submenus
<F10>	Save all the changes and exit the BIOS Setup program

■ **Main**

This setup page includes all the items in standard compatible BIOS.

■ **Advanced**

This setup page includes all the items of AMI BIOS special enhanced features.

(ex: Auto detect fan and temperature status, automatically configure hard disk parameters.)

■ **Security**

Change, set, or disable supervisor and user password. Configuration supervisor password allows you to restrict access to the system and BIOS Setup.

A supervisor password allows you to make changes in BIOS Setup.

A user password only allows you to view the BIOS settings but not to make changes.

■ **Boot**

This setup page provides items for configuration of boot sequence.

■ **Save & Exit**

Save all the changes made in the BIOS Setup program to the CMOS and exit BIOS Setup. (Pressing <F10> can also carry out this task.)

Abandon all changes and the previous settings remain in effect. Pressing <Y> to the confirmation message will exit BIOS Setup. (Pressing <Esc> can also carry out this task.)

■ **Server Management**

Server additional features enabled/disabled setup menus.

## 1-1 The Main Menu

Once you enter the BIOS Setup program, the Main Menu (as shown below) appears on the screen. Use arrow keys to move among the items and press <Enter> to accept or enter other sub-menu.

### Main Menu Help

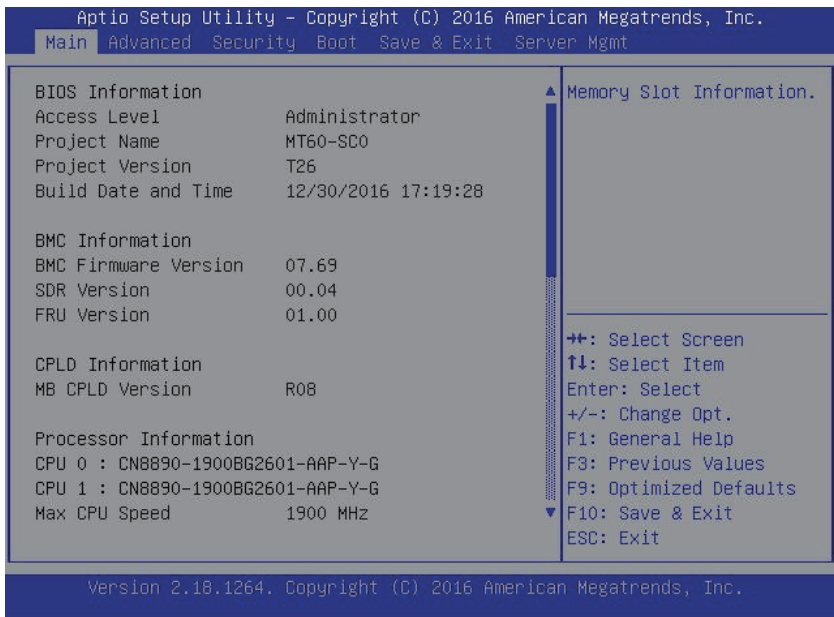
The on-screen description of a highlighted setup option is displayed on the bottom line of the Main Menu.

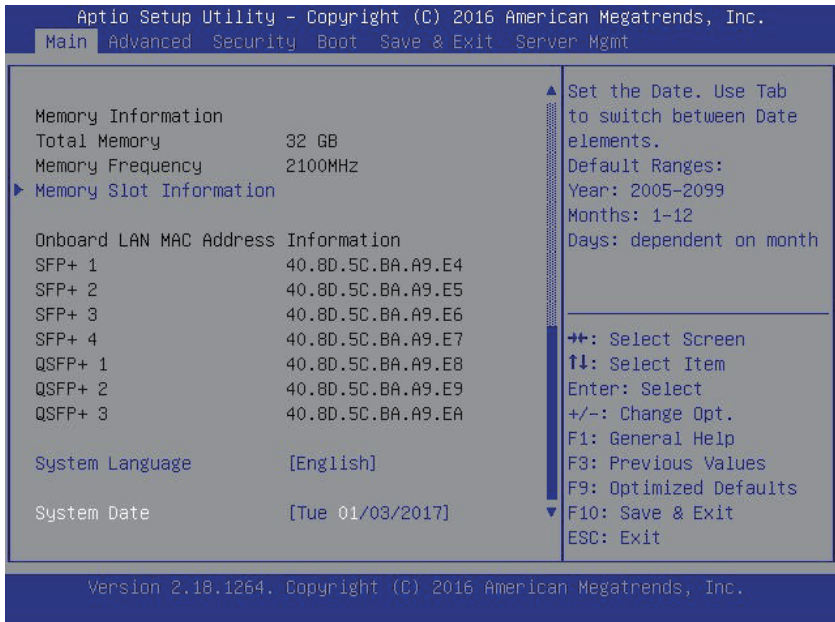
### Submenu Help

While in a submenu, press <F1> to display a help screen (General Help) of function keys available for the menu. Press <Esc> to exit the help screen. Help for each item is in the Item Help block on the right side of the submenu.



- When the system is not stable as usual, select the **Restore Defaults** item to set your system to its defaults.
- The BIOS Setup menus described in this chapter are for reference only and may differ by BIOS version.





#### 🔑 BIOS Information

#### 🔑 Access Level

Display the privileges level information.

#### 🔑 Porject Name <sup>(Note)</sup>

Display the project name information.

#### 🔑 Porject Version

Display version number of the BIOS setup utility.

#### 🔑 BIOS Build Date and Time

Displays the date and time when the BIOS setup utility was created.

#### 🔑 BMC Information

#### 🔑 BMC Firmware Version

Display BMC firmware version information.

#### 🔑 SDR Version

Display the SDR version information.

#### 🔑 FRU Version

Display the FRU version information.

#### 🔑 CPLD Informaiton

#### 🔑 MB CPLD Version

Display the CPLD version information.

(Note) This parameter will be variable depends on select models.

⌄ **Processor Configuration**

⌄ **CPU 0/1/MAX CPU Speed/ICPU Data Cache/CPU Instruction Cache**

Displays the technical specifications for the installed processor.

⌄ **Memory Information**

⌄ **Total Memory/Memory Frequency**

Displays the technical specifications for the installed memory.

⌄ **Onboard LAN MAC Address Information** <sup>(Note)</sup>

Display onboard LAN device MAC address.

⌄ **System Language**

Select preference language.

Option available: English.

⌄ **System Date**

Set the date following the weekday-month-day- year format.

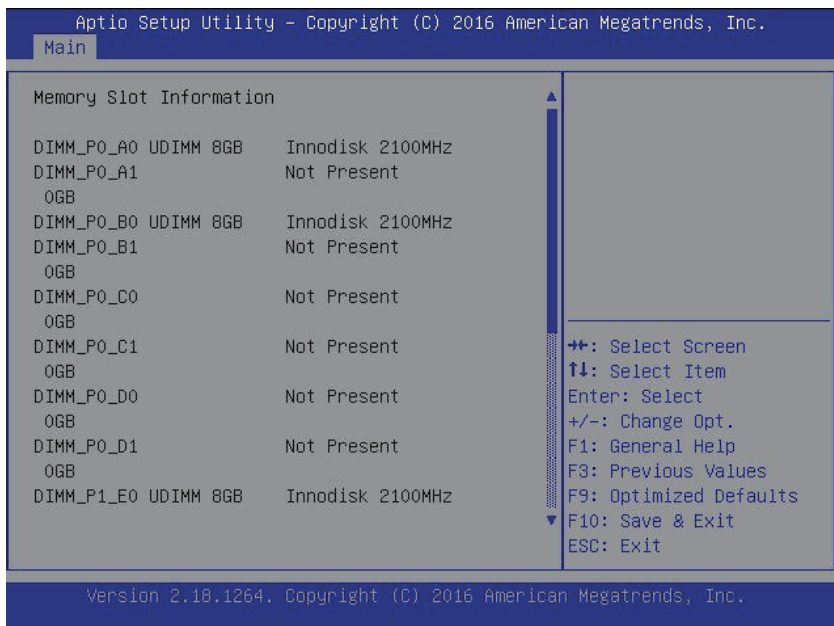
⌄ **System Time**

Set the system time following the hour-minute- second format.

(Note) This parameter will be variable depends on select models.



## 1-1-1 Memory Slot Information

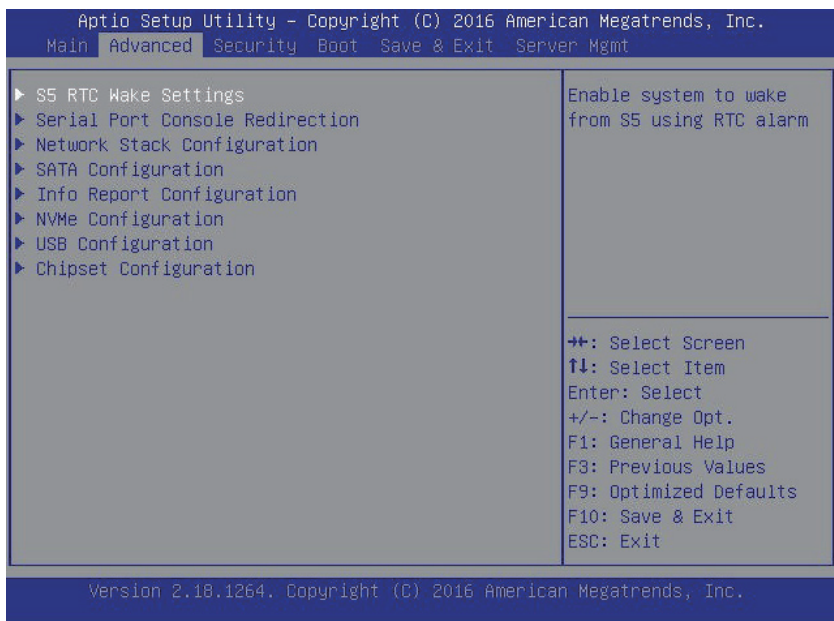


### Memory Slot Information

Display the installed memory technical specification.

## 1-2 Advanced Menu

The Advanced menu display submenu options for configuring the function of various hardware components. Select a submenu item, then press Enter to access the related submenu screen.



## 1-2-1 S5 RTC Wake Settings

Aptio Setup Utility - Copyright (C) 2016 American Megatrends, Inc.	
Advanced	
Wake system from S5 [Enabled]	
Enable or disable System RTC wake on.	
If the time setting is earlier than now, the RTC wakeup function will not be enabled. For example, Current Time: 2016/03/09, 09:00:00 Wakeup time: 2016/03/09, 08:50:00 will not enable RTC wakeup.	
Wake up year	2016
Wake up month	1
Wake up Date	1
Wake up hour	9
Wake up minute	0
Wake up second	0
++: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F3: Previous Values F9: Optimized Defaults F10: Save & Exit ESC: Exit	
Version 2.18.1264. Copyright (C) 2016 American Megatrends, Inc.	

### Wake system from S5

Enable or disable System wake on alarm event. When enabled, System will wake on the hr:min:sec specified. Default setting is **Disabled**.

### Wake up year<sup>(Note)</sup>

Press <+> and <-> to define the wake up year.

### Wake up month<sup>(Note)</sup>

Press <+> and <-> to define the wake up month.

### Wake up Date<sup>(Note)</sup>

Press <+> and <-> to define the wake up date.

### Wake up hour<sup>(Note)</sup>

Press <+> and <-> to define the wake up hour.

### Wake up minute<sup>(Note)</sup>

Press <+> and <-> to define the wake up minute.

### Wake up second<sup>(Note)</sup>

Press <+> and <-> to define the wake up second.

(Note) This item appears when **Wake system from S5** is set to **Enabled**.

## 1-2-2 Serial Port Console Redirection

Aptio Setup Utility - Copyright (C) 2016 American Megatrends, Inc.	
Advanced	
<div>COM1 / SOL Console Redirection      Enabled ▶ Console Redirection Settings  Serial Port for Out-of-Band Management/ Emergency Management Services (EMS) ▶ Console Redirection Settings  POST Debug Message      [Enabled]</div>	<div>The settings specify how the host computer and the remote computer (which the user is using) will exchange data. Both computers should have the same or compatible settings.</div> <div>↔: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F3: Previous Values F9: Optimized Defaults F10: Save &amp; Exit ESC: Exit</div>
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Aptio Setup Utility - Copyright (C) 2016 American Megatrends, Inc.	
Advanced	
<div>Out-of-Band Mgmt Port    COM1 / SOL Terminal Type            [VT-UTF8] Flow Control            [None] Data Bits                8 Parity                    None Stop Bits                 1</div>	<div>VT-UTF8 is the preferred terminal type for out-of-band management. The next best choice is VT100+ and then VT100. See above, in Console Redirection Settings</div> <div>↔: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F3: Previous Values F9: Optimized Defaults F10: Save &amp; Exit ESC: Exit</div>
Version 2.18.1264. Copyright (C) 2016 American Megatrends, Inc.	

Aptio Setup Utility - Copyright (C) 2016 American Megatrends, Inc.		
Advanced		
Out-of-Band Mgmt Port	COM1 / SOL	VT-UTF8 is the preferred terminal type for out-of-band management. The next best choice is VT100+ and then VT100. See above, in Console Redirection Settings
Terminal Type	[VT-UTF8]	
Flow Control	[None]	
Data Bits	8	
Parity	None	
Stop Bits	1	
		++: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F8: Previous Values F9: Optimized Defaults F10: Save & Exit ESC: Exit
Version 2.18.1264. Copyright (C) 2016 American Megatrends, Inc.		

## ☞ COM1/SOL/Serial Port for Out-of Band Management/Windows Emergency Management Service (EMS)

### ☞ Console Redirection <sup>(Note)</sup>

Select whether to enable console redirection for specified device. Console redirection enables users to manage the system from a remote location.

Options available: Enabled/Disabled. Default setting is **Disabled**.

### ☞ Console Redirection Settings

#### ☞ Terminal Type

Select a terminal type to be used for console redirection.

Options available: VT100/VT100+/ANSI /VT-UTF8.

#### ☞ Flow Control

Flow control can prevent data loss from buffer overflow. When sending data, if the receiving buffers are full, a 'stop' signal can be sent to stop the data flow. Once the buffers are empty, a 'start' signal can be sent to re-start the flow. Hardware flow control uses two wires to send start/stop signals.

Options available: None/Hardware RTS/CTS.

#### ☞ Bits per second

Select the baud rate for console redirection.

Options available: 9600/19200/57600/115200.

#### ☞ Data Bits

Select the data bits for console redirection.

Options available: 7/8.

(Note) Advanced items prompt when this item is defined.

## ☞ **Parity**

A parity bit can be sent with the data bits to detect some transmission errors.

Even: parity bit is 0 if the num of 1's in the data bits is even.

Odd: parity bit is 0 if num of 1's the data bits is odd.

Mark: parity bit is always 1. Space: Parity bit is always 0.

Mark and Space Parity do not allow for error detection.

Options available: None/Even/Odd/Mark/Space.

## ☞ **Stop Bits**

Stop bits indicate the end of a serial data packet. (A start bit indicates the beginning). The standard setting is 1 stop bit. Communication with slow devices may require more than 1 stop bit.

## 1-2-3 Network Stack

Aptio Setup Utility - Copyright (C) 2016 American Megatrends, Inc.		
Advanced		
Network Stack	[Enabled]	▲ Enable/Disable UEFI Network Stack
PXE Option	[Enabled]	
Ipv4 PXE Support	[Enabled]	
Ipv6 PXE Support	[Disabled]	
PXE Retry	[Disabled]	
PXE Retry Description		
When PXE Retry Disabled: PXE boot will not retry.		
When PXE Retry Enabled: ( no matter Boot Option Priorities )		
1. If system no exist bootable OS, BIOS do the endless loop for pxe boot.		
2. If system have any bootable OS, BIOS will boot to OS directly, BIOS would not run PXE boot.		
↕		
++: Select Screen		
↑↓: Select Item		
Enter: Select		
+/-: Change Opt.		
F1: General Help		
F8: Previous Values		
F9: Optimized Defaults		
▼ F10: Save & Exit		
ESC: Exit		
Version 2.18.1264. Copyright (C) 2016 American Megatrends, Inc.		
Aptio Setup Utility - Copyright (C) 2016 American Megatrends, Inc.		
Advanced		
PXE Option	[Enabled]	▲ Enable PXE Retry to do the endless loop. If disabled ,PXE will not retry
Ipv4 PXE Support	[Enabled]	
Ipv6 PXE Support	[Disabled]	
PXE Retry	[Disabled]	
PXE Retry Description		
When PXE Retry Disabled: PXE boot will not retry.		
When PXE Retry Enabled: ( no matter Boot Option Priorities )		
1. If system no exist bootable OS, BIOS do the endless loop for pxe boot.		
2. If system have any bootable OS, BIOS will boot to OS directly, BIOS would not run PXE boot.		
↕		
++: Select Screen		
↑↓: Select Item		
Enter: Select		
+/-: Change Opt.		
F1: General Help		
F8: Previous Values		
F9: Optimized Defaults		
▼ F10: Save & Exit		
ESC: Exit		
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### **Network stack**

Enable/Disable UEFI network stack.

Options available: Enabled/Disabled. Default setting is **Enabled**.

### **PXE Option**

Enable/Disable PXE option.

Options available: Enabled/Disabled. Default setting is **Enabled**.

### **Ipv4 PXE Support**

Enable/Disable Ipv4 PXE feature.

Options available: Enabled/Disabled. Default setting is **Disabled**.

### **Ipv6 PXE Support**

Enable/Disable Ipv6 PXE feature.

Options available: Enabled/Disabled. Default setting is **Disabled**.

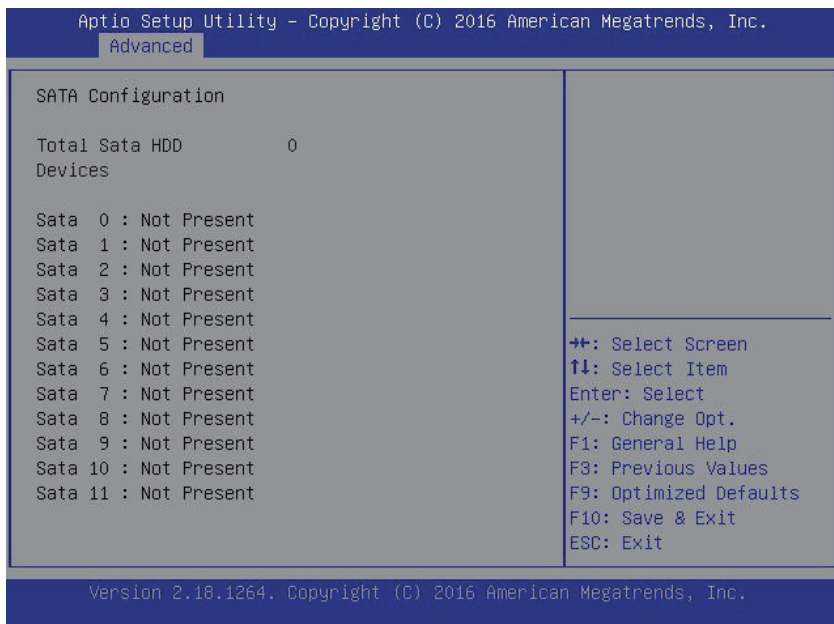
### **PXE Retry**

Enable/Disable PXE Retry.

Options available: Enabled/Disabled. Default setting is **Disabled**.



## 1-2-4 SATA Configuration



### SATA Configuraiton

The category shows Serial ATA of hard disk that are installed in the system. System will automatically detect HDD type.

## 1-2-5 Info Report Configuration

Aptio Setup Utility - Copyright (C) 2016 American Megatrends, Inc.	
Advanced	
Info Report Configuration	Post Report Support Enabled/Disabled
Post Report	
Post Report	[Enabled]
Delay Time	[1]
Error Message Report	
Info Error Message	[Enabled]
++: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F3: Previous Values F9: Optimized Defaults F10: Save & Exit ESC: Exit	
Version 2.18.1264. Copyright (C) 2016 American Megatrends, Inc.	

### ☞ Info Report Configuration

#### ☞ Post Report

Enable/Disable Post Report support.

Options available: Enabled/Disabled. Default setting is **Enabled**.

#### ☞ Delay Time

Press <+> / <-> keys to increase or decrease the desired values.

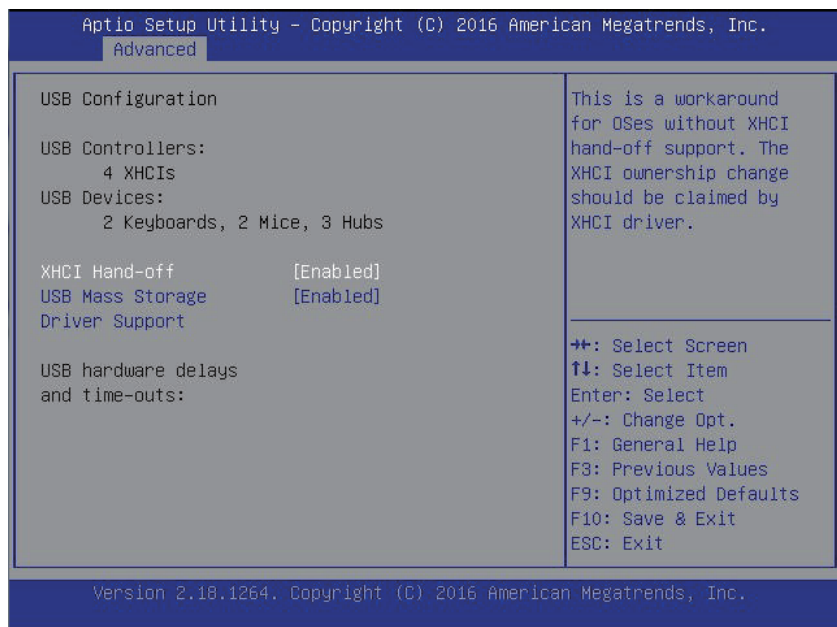
#### ☞ Error Message Report

#### ☞ Info Error Message

Enable/Disable Info Error Message support.

Options available: Enabled/Disabled. Default setting is **Enabled**.

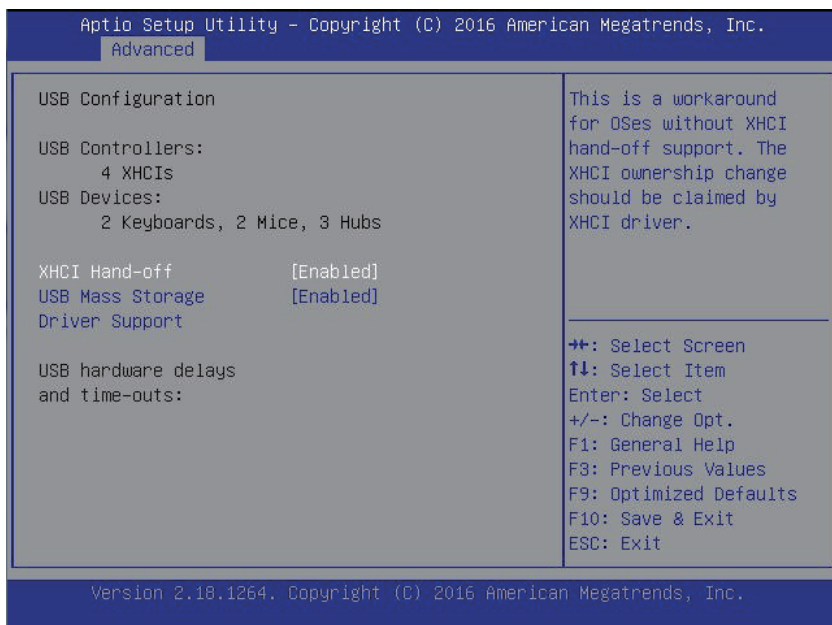
## 1-2-6 NVME Configuration



### 🔗 NVME Configuraiton

This page shows NVMe device that are installed in the system. System will detect automatically.  
Functions are available on selected models.

## 1-2-7 USB Configuration



### ☞ USB Configuration

### ☞ XHCI Hand-off

Enable/Disable XHCI (USB 3.0) Hand-off function.

Options available: Enabled/Disabled. Default setting is **Enabled**.

### ☞ USB Mass Storage Driver Support

Enable/Disable USB Mass Storage Drive.

Options available: Enabled/Disabled. Default setting is **Enabled**.

## 1-2-8 Chipset Configuration

Aptio Setup Utility - Copyright (C) 2016 American Megatrends, Inc.	
Advanced	
<p>Restore AC Power Loss    [Last State]</p> <p>Last state : After normal shutdown 12 seconds. System will set Last state as off.</p> <p>Otherwise system will keep Last state as on.</p> <p>Current SATA port            12 SATA support number        [Keep current]</p>	<p>Specify what state when power is re-applied after a power failure (G3 state).</p> <hr/> <p>→: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F3: Previous Values F9: Optimized Defaults F10: Save &amp; Exit ESC: Exit</p>
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### ☞ **Restore on AC Power Loss** <sup>(Note1)</sup>

Defines the power state to resume to after a system shutdown that is due to an interruption in AC power. When set to Last State, the system will return to the active power state prior to shutdown. When set to Stay Off, the system remains off after power shutdown.

Options available: Last State/Stay Off/Power On. The default setting depends on the BMC setting.

### ☞ **SATA Support number** <sup>(Note2)</sup>

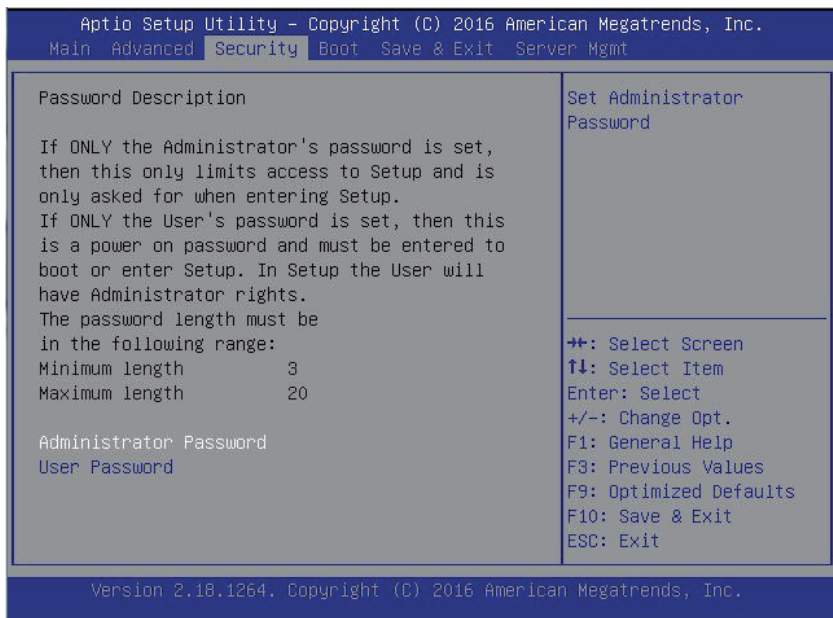
Option available: Keep current/4 SATA/12 SATA/24 SATA/32 SATA.

(Note1) When the power policy is controlled by BMC, please wait for 17 seconds for BMC to save the last power state.

(Note2) Functions are available on selected models.

## 1-3 Security Menu

The Security menu allows you to safeguard and protect the system from unauthorized use by setting up access passwords.



There are two types of passwords that you can set:

- Administrator Password

Entering this password will allow the user to access and change all settings in the Setup Utility.

- User Password

Entering this password will restrict a user's access to the Setup menus. To enable or disable this field, a Administrator Password must first be set. A user can only access and modify the System Time, System Date, and Set User Password fields.

### ⌵ Administrator Password

Press Enter to configure the Administrator password.

### ⌵ User Password

Press Enter to configure the user password.

## 1-4 Boot Menu

The Boot menu allows you to set the drive priority during system boot-up. BIOS setup will display an error message if the legacy drive(s) specified is not bootable.

Aptio Setup Utility - Copyright (C) 2016 American Megatrends, Inc.		
Main Advanced Security <b>Boot</b> Save & Exit Server Mgmt		
<b>Boot Configuration</b>		▲ Number of seconds to wait for setup activation key. 65535(0xFFFF) means indefinite waiting.
Setup Prompt Timeout	1	
Bootup NumLock State	[On]	
Logo Display on POST	[Enabled]	
<b>Boot Option Priorities</b>		
Boot Option #1	[UEFI: (V4) SFP+ 1 : 40:8D:5C:BA:A9:E4]	** : Select Screen ↑↓ : Select Item Enter: Select +/- : Change Opt. F1: General Help F3: Previous Values F9: Optimized Defaults ▼ F10: Save & Exit ESC: Exit
Boot Option #2	[UEFI: (V4) SFP+ 2 : 40:8D:5C:BA:A9:E5]	
Boot Option #3	[UEFI: (V4) SFP+ 3 : 40:8D:5C:BA:A9:E6]	
Boot Option #4	[UEFI: (V4) SFP+ 4 : 40:8D:5C:BA:A9:E7]	
Boot Option #5	[UEFI: (V4) QSFP+ 1 : 40:8D:5C:BA:A9:E8]	
Boot Option #6	[UEFI: (V4) QSFP+ 2 : 40:8D:5C:BA:A9:E9]	
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Aptio Setup Utility - Copyright (C) 2016 American Megatrends, Inc.		
Main Advanced Security <b>Boot</b> Save & Exit Server Mgmt		
Boot Option #3	[UEFI: (V4) SFP+ 3 : 40:8D:5C:BA:A9:E6]	▲ Enables or disables X540 LAN PXE option.
Boot Option #4	[UEFI: (V4) SFP+ 4 : 40:8D:5C:BA:A9:E7]	
Boot Option #5	[UEFI: (V4) QSFP+ 1 : 40:8D:5C:BA:A9:E8]	** : Select Screen ↑↓ : Select Item Enter: Select +/- : Change Opt. F1: General Help F3: Previous Values F9: Optimized Defaults ▼ F10: Save & Exit ESC: Exit
Boot Option #6	[UEFI: (V4) QSFP+ 2 : 40:8D:5C:BA:A9:E9]	
Boot Option #7	[UEFI: (V4) QSFP+ 3 : 40:8D:5C:BA:A9:EA]	
Boot Option #8	[UEFI: Built-in EFI Shell]	
New Boot Option Policy	[Default]	
Fast Boot	[Enabled]	
X540 LAN PXE	[Disabled]	
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🔗 **Boot Configuration**

🔗 **Setup Prompt Timeout**

Number of seconds to wait for setup activation key. 65535(0xFFFF) means indefinite waiting.  
Press the numeric keys to input the desired value.

🔗 **Bootup NumLock State**

Enable or Disable Bootup NumLock function.  
Options available: On/Off. Default setting is **On**.

🔗 **Logo Display on POST**

Enables or disables showing the logo during POST.  
Options available: Enabled/Disabled. Default setting is **Enabled**.

🔗 **Boot Priority Order**

🔗 **Boot Option #1/#2/#3/#4/#5/#6/#7/#8**

Press Enter to configure the boot priority.  
By default, the server searches for boot devices in the following sequence:

1. UEFI device.
2. Hard drive.
3. Removable device.
4. Hard drive.
5. Network device.
6. Built-in UEFI device
7. Built-in UEFI device
8. Built-in UEFI device

🔗 **New Boot Option Policy**

Controls the placement of newly detected UEFI boot options.  
Options available: Default/Place First/Place Last. Default setting is **Default**.

🔗 **Fast Boot**

Enable/Disable the Fast boot feature.  
Options available: Enabled/Disabled. Default setting is **Enabled**.

🔗 **X540 LAN PXE <sup>(Note)</sup>**

Enable/Disable LAN PXE option.  
Options available: Enabled/Disabled. Default setting is **Disabled**.

(Note) This parameter will be variable depends on select models.



## 1-5 Exit Menu

The Exit menu displays the various options to quit from the BIOS setup. Highlight any of the exit options then press **Enter**.

Aptio Setup Utility - Copyright (C) 2016 American Megatrends, Inc.	
Main Advanced Security Boot <b>Save &amp; Exit</b> Server Mgmt	
<div>Save Options</div> <div>Save Changes and Reset</div> <div>Discard Changes and Reset</div> <div>Default Options</div> <div>Restore Defaults</div> <div>Boot Override</div> <div>UEFI: (V4) SFP+ 1 : 40:8D:5C:BA:A9:E4</div> <div>UEFI: (V4) SFP+ 2 : 40:8D:5C:BA:A9:E5</div> <div>UEFI: (V4) SFP+ 3 : 40:8D:5C:BA:A9:E6</div> <div>UEFI: (V4) SFP+ 4 : 40:8D:5C:BA:A9:E7</div> <div>UEFI: (V4) QSFP+ 1 : 40:8D:5C:BA:A9:E8</div> <div>UEFI: (V4) QSFP+ 2 : 40:8D:5C:BA:A9:E9</div> <div>UEFI: (V4) QSFP+ 3 : 40:8D:5C:BA:A9:EA</div> <div>UEFI: Built-in EFI Shell</div>	<div>▲ Reset the system after saving the changes.</div> <div>↕</div> <div>▼</div> <div>++: Select Screen</div> <div>↑↓: Select Item</div> <div>Enter: Select</div> <div>+/-: Change Opt.</div> <div>F1: General Help</div> <div>F3: Previous Values</div> <div>F9: Optimized Defaults</div> <div>F10: Save &amp; Exit</div> <div>ESC: Exit</div>
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Aptio Setup Utility - Copyright (C) 2016 American Megatrends, Inc.	
Main Advanced Security Boot <b>Save &amp; Exit</b> Server Mgmt	
<div>Save Changes and Reset</div> <div>Discard Changes and Reset</div> <div>Default Options</div> <div>Restore Defaults</div> <div>Boot Override</div> <div>UEFI: (V4) SFP+ 1 : 40:8D:5C:BA:A9:E4</div> <div>UEFI: (V4) SFP+ 2 : 40:8D:5C:BA:A9:E5</div> <div>UEFI: (V4) SFP+ 3 : 40:8D:5C:BA:A9:E6</div> <div>UEFI: (V4) SFP+ 4 : 40:8D:5C:BA:A9:E7</div> <div>UEFI: (V4) QSFP+ 1 : 40:8D:5C:BA:A9:E8</div> <div>UEFI: (V4) QSFP+ 2 : 40:8D:5C:BA:A9:E9</div> <div>UEFI: (V4) QSFP+ 3 : 40:8D:5C:BA:A9:EA</div> <div>UEFI: Built-in EFI Shell</div> <div>Launch EFI Shell from filesystem device</div>	<div>▲</div> <div>↕</div> <div>▼</div> <div>++: Select Screen</div> <div>↑↓: Select Item</div> <div>Enter: Select</div> <div>+/-: Change Opt.</div> <div>F1: General Help</div> <div>F3: Previous Values</div> <div>F9: Optimized Defaults</div> <div>F10: Save &amp; Exit</div> <div>ESC: Exit</div>
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☞ **SaveOptions**

☞ **Save Changes and Reset**

Saves changes made and reset the system.

Options available: Yes/No.

☞ **Discard Changes and Reset**

Discards changes made and reset the system.

Options available: Yes/No.

☞ **Default Options**

☞ **Restore Defaults**

Loads the default settings for all BIOS setup parameters. Setup Defaults are quite demanding in terms of resources consumption. If you are using low-speed memory chips or other kinds of low-performance components and you choose to load these settings, the system might not function properly.

Options available: Yes/No.

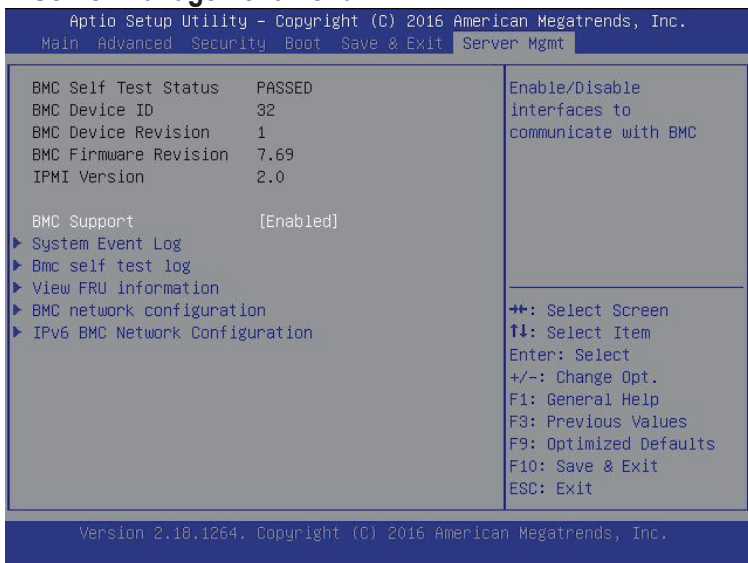
☞ **Boot Override**

Allows you to select a device to boot immediately. Press <Enter> on the device you select and select Yes to confirm. Your system will restart automatically and boot from that device.

☞ **UEFI: Built-in in EFI Shell**

Press <Enter> on this item to Launch EFI Shell from filesystem device.

## 1-6 Server Management Menu



### ➤ BMC Self Test Status

Display BMC test status.

### ➤ BMC Device ID

Display BMC device ID information.

### ➤ BMC Device Reversion

Display the BMC device version information.

### ➤ BMC Firmware Reversion

Display BMC firmware version information.

### ➤ IPMI Version

Display the IPMI version information.

### ➤ BMC Support

Enable/Disable interface to communicate with BMC

Options available: Enabled/Disabled. Default setting is **Enabled**.

### ➤ System Event Log

Press [Enter] for configuration of advanced items.

### ➤ BMC Self Test Log

Press [Enter] for configuration of advanced items.

### ➤ View FRU Information

Press [Enter] to view the advanced items.

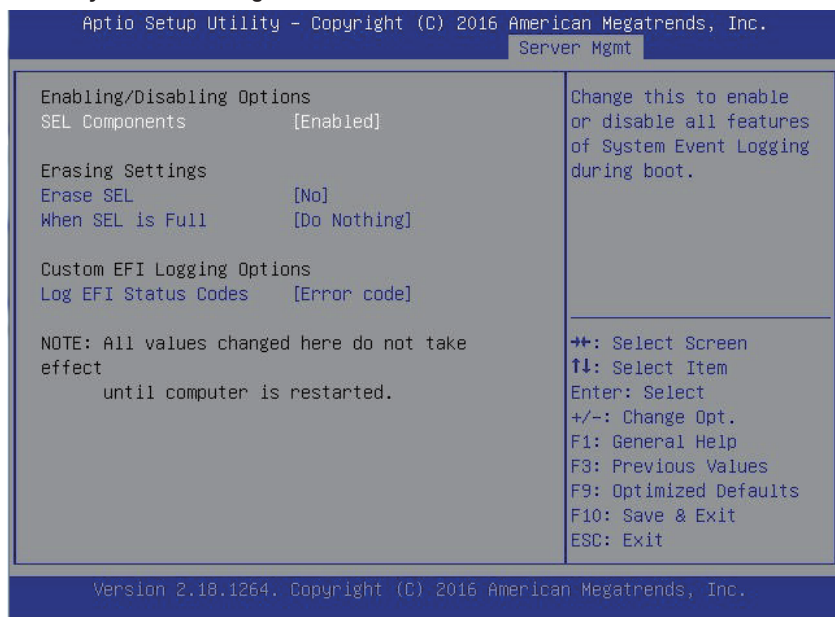
### ➤ BMC network configuration

Press [Enter] for configuration of advanced items.

### ➤ IPv6 BMC network configuration

Press [Enter] for configuration of advanced items.

## 1-6-1 System Event Log



### ☞ Enabling/Disabling Options

#### ☞ SEL Components

Change this to enable or disable all features of System Event Logging during boot.

Options available: Enabled/Disabled. Default setting is **Enabled**.

#### ☞ Erasing Settings

#### ☞ Erasing SEL

Choose options for erasing SEL.

Options available: No/Yes, On next reset/Yes, On every reset. Default setting is **No**.

#### ☞ When SEL is Full

Choose options for reactions to a full SEL.

Options available: Do Nothing/Erase Immediately. Default setting is **Do Nothing**.

#### ☞ Custom EFI Logging Options

#### ☞ Log EFI Status Codes

Enable/Disable the logging of EFI Status Codes (if not already converted to legacy).

Options available: Disabled/Both/Error code/Progress code. Default setting is **Error code**.

## 1-6-2 BMC Self Test Log

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Server Mgmt

Log area usage = 00 out of 20 logs

Erase Log [Yes, On every reset]  
When log is full [Clear Log]

Log Empty

▲ Erase Log Options

→+: Select Screen  
↑↓: Select Item  
Enter: Select  
+/-: Change Opt.  
F1: General Help  
F3: Previous Values  
F9: Optimized Defaults  
▼ F10: Save & Exit  
ESC: Exit

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### 🔑 Erase Log

Choose options for erasing log.

Options available: No/Yes, On next reset/Yes, On every reset. Default setting is **No**.

### 🔑 When Log is Full

Choose options for reactions to a full log.

Options available: Do Nothing/Clear Log. Default setting is **Clear Log**.

### 1-6-3 View FRU Information

The FRU page is a simple display page for basic system ID information, as well as System product information. Items on this window are non-configurable.

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Server Mgmt	
FRU Information	
System Manufacturer	GIGABYTE
System Product Name	MT60-SC0
System Version	0100
System Serial Number	01234567890123456789AB
Board Manufacturer	GIGABYTE
Board Product Name	MT60-SC0
Board Version	01234567
Board Serial Number	S1635200045
Chassis Manufacturer	GIGABYTE
Chassis Product Name	01234567
Chassis Serial Number	01234567890123456789AB
<div>++: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F8: Previous Values F9: Optimized Defaults F10: Save &amp; Exit ESC: Exit</div>	
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## 1-6-4 BMC network configuration

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Server Mgmt	
<b>BMC network configuration</b>	
Select to configure LAN channel parameters statically or dynamically (by BIOS or BMC). Unspecified option will not modify any BMC network parameters during BIOS	
<b>Lan channel 1</b>	
Configuration	[DynamicBmcDhcp]
Address source	
Station IP address	10.1.6.11
Subnet mask	255.255.255.0
Router IP address	10.1.6.253
Station MAC address	40-8d-5c-ba-a9-ec
<b>Synchronize BMC V4 network parameter values</b>	
++: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F8: Previous Values F9: Optimized Defaults F10: Save & Exit ESC: Exit	

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### ☞ BMC network configuration

#### ☞ Lan Channel 1

#### ☞ Configuration Address source

Select to configure LAN channel parameters statically or dynamically (DHCP). Do nothing option will not modify any BMC network parameters during BIOS phase.

Options available: Unspecified/Static/DynamicBmcDhcp. Default setting is **DynamicBmcDhcp**.

#### ☞ Station IP Address

Display IP Address information.

#### ☞ Subnet mask

Display Subnet Mask information.

Please note that the IP address must be in three digitals, for example, 192.168.000.001.

#### ☞ Station MAC Address

Display the MAC Address information.

#### ☞ Router IP address

Display the Router IP Address information.

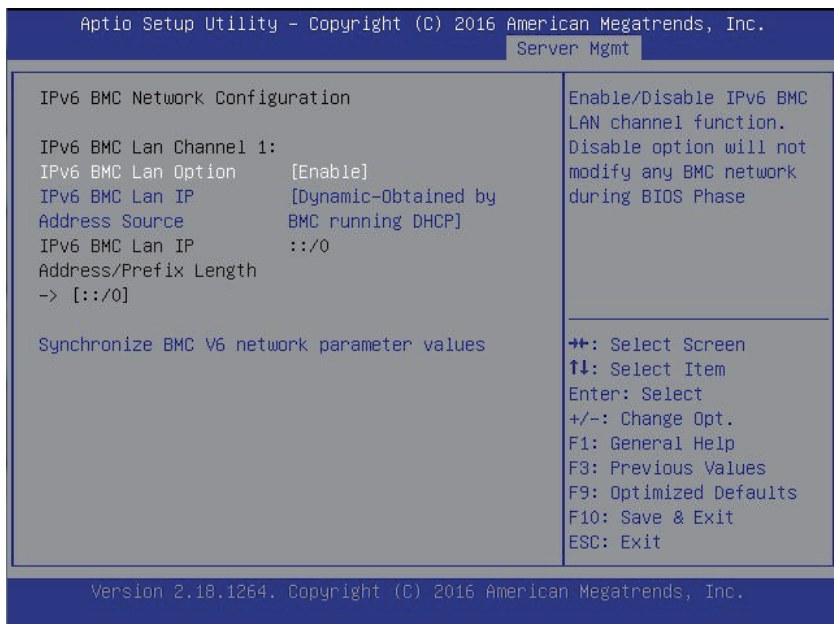
#### ☞ Router MAC address

Display the Router MAC Address information.

#### ☞ Synchronize BMC V4 network parameter values

Press [Enter] to start synchronization.

## 1-6-5 IPv6 BMC network configuration



### ☞ IPv6 BMC network configuration

### ☞ IPv6 Lan Channel 1

### ☞ IPv6 BMC Lan Option

Option available: Unspecified/Enabled/Disabled. Default setting is **Enabled**.

### ☞ IPv6 BMC LAN IP Address Source

Select to configure IPv6 BMC LAN channel parameters statically or dynamically (DHCP).

Options available: Unspecified/Static/Dynamic-Obtained by BMC running DHCP.

Default setting is **Dynamic-Obtained by BMC running DHCP**.

### ☞ IPv6 BMC Lan IP Address/Prefix Length

Display IPv6 BMC Lan IP Address/Prefix Length information.

### ☞ Synchronize BMC V6 network parameter values

Press [Enter] to start synchronization.