
BIOS User Manual

For the : WL/AL/EL/RL/AR Series

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Notice

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Actual product specifications may vary with territories.

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BIOS Setup

 NOTE: Please check your current BIOS version. If your system is not running the latest version, it may pose security risks. Please download and update the BIOS from the **Shuttle official** website.

Please run BIOSCheckerSetup (download the application from the Shuttle website https://image.shuttle.com/ResourceCenter/download_file.jsp?file_id=33992) to detect your BIOS version.

BIOSChecker is Shuttle's automatic support tool that scans your system for BIOS updates and provides download links.

Installing it helps keep your system up to date for best performance.

Steps:

1. Search **BIOSChecker** in the **Start** menu and open it.
2. The tool will automatically check for available updates.
3. If a new version is found, it will show "**New version available**" and provide a link to the Shuttle support site to download the BIOS for your model.

For detailed instructions, visit:

<https://global.shuttle.com/support/faqDetail?faqId=1891>

■ 1.1 About BIOS Setup

The default BIOS (Basic Input/Output System) is already properly configured and optimized, there is normally no need to run this utility.

■ 1.1.1 When to Use BIOS Setup ?

You may need to run the BIOS Setup when:

- An error message appears on the screen during the system booting up and is requested to run SETUP.
- You want to change the default settings for customized features.
- You want to reload the default BIOS settings.



CAUTION! We strongly recommend that you change the BIOS settings only with the help of a trained service personnel.

■ 1.1.2 How to run BIOS Setup ?

To run the BIOS Setup Utility, turn on the Box-PC and press the [Del] or [F2] key during the POST procedure.

If the message disappears before you respond and you still wish to enter Setup, either restart the system by turning it OFF and ON, or simultaneously pressing [Ctrl]+[Alt]+[Del] keys to restart.

The setup function only can be invoked by pressing [Del] or [F2] key during POST that provide an approach to change some setting and configuration the user prefer, and the changed values will save in the NVRAM and will take effect after the system rebooted.

Press [F7] key for Boot Menu.

· When OS support is Windows 11 :

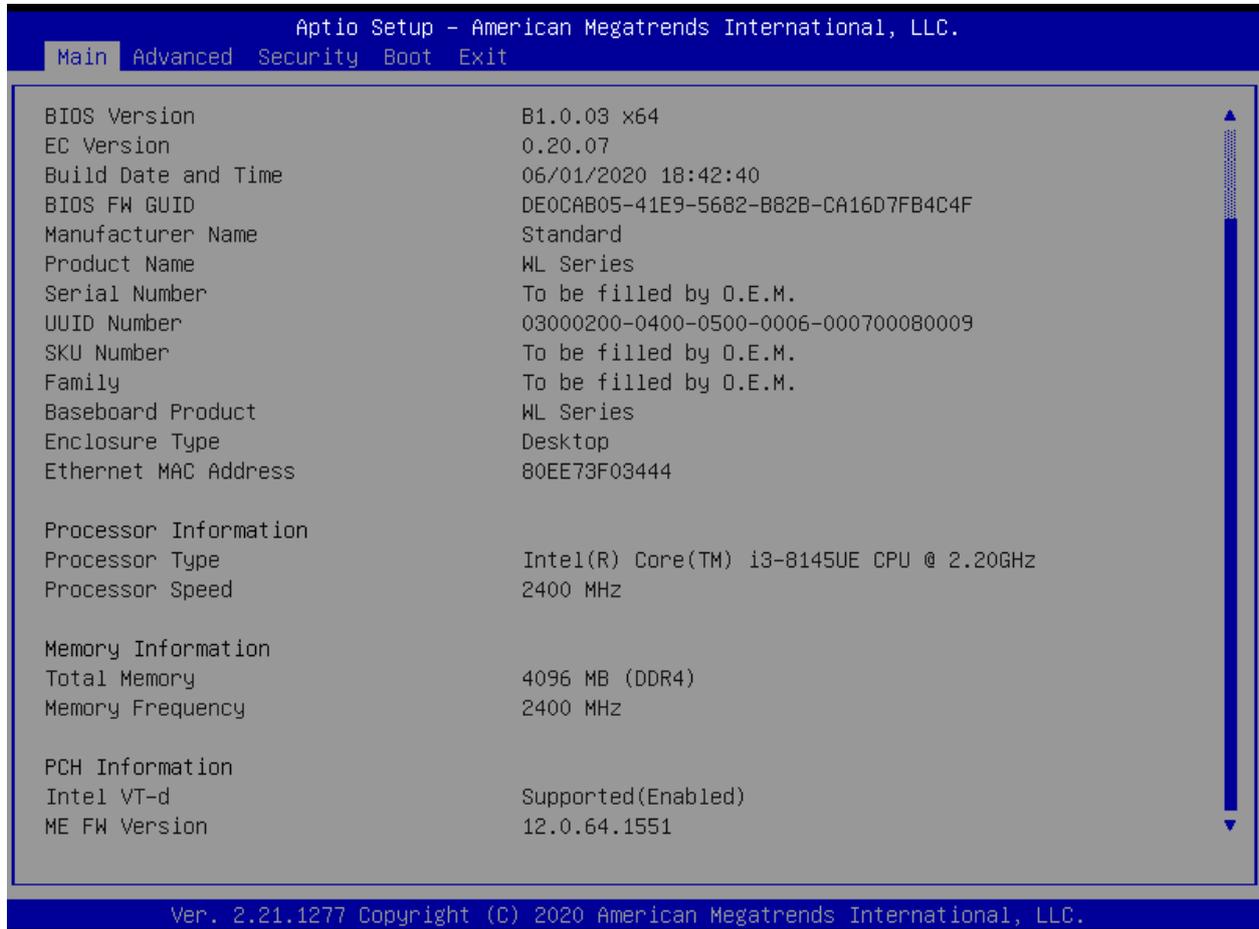
1. Click the "Start  menu" and select "Settings".
2. Select "Windows Update" and Click "Advanced options".
3. Click "Recovery".
4. Under "Advanced startup", click "Restart now".
The system will restart and show the Windows 11 boot menu.
5. Select "Troubleshoot".
6. Choose "Advanced options".
7. Select "UEFI Firmware Settings".
8. Click "Restart" to restart the system and enter UEFI (BIOS).

· When OS support is Windows 10 :

1. Click the "Start  menu" and select "Settings".
2. Select "Update and Security".
3. Click "Recovery".
4. Under "Advanced startup", click "Restart now".
The system will restart and show the Windows 10 boot menu.
5. Select "Troubleshoot".
6. Choose "Advanced options".
7. Select "UEFI Firmware Settings".
8. Click "Restart" to restart the system and enter UEFI (BIOS).

■ 2.1 BIOS Setup Menu

➤ Main Menu



The screenshot shows the Aptio Setup BIOS Main Menu. The title bar reads "Aptio Setup - American Megatrends International, LLC." and the menu bar includes "Main", "Advanced", "Security", "Boot", and "Exit". The main display area shows the following system information:

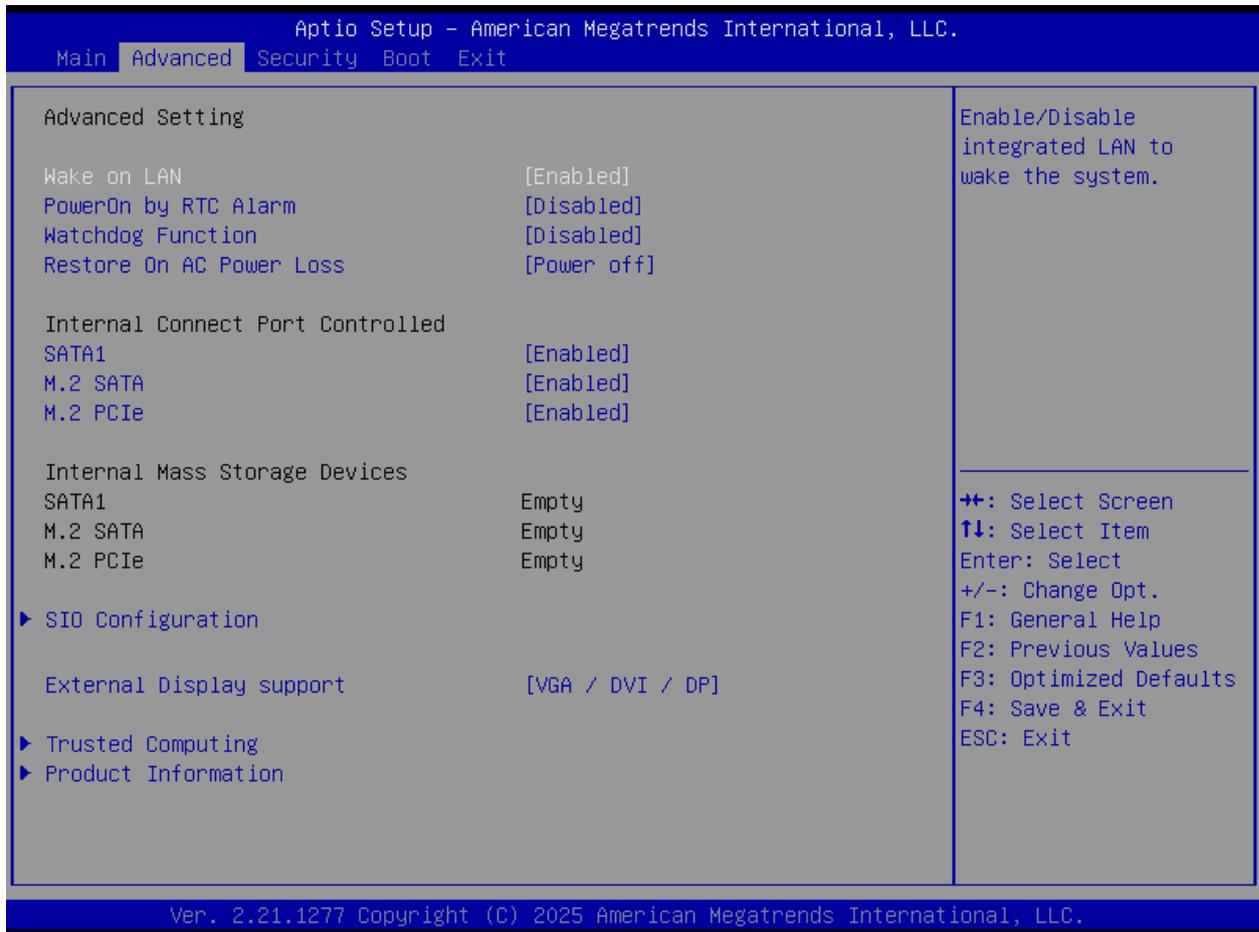
BIOS Version	B1.0.03 x64
EC Version	0.20.07
Build Date and Time	06/01/2020 18:42:40
BIOS FW GUID	DE0CAB05-41E9-5682-B82B-CA16D7FB4C4F
Manufacturer Name	Standard
Product Name	WL Series
Serial Number	To be filled by O.E.M.
UUID Number	03000200-0400-0500-0006-000700080009
SKU Number	To be filled by O.E.M.
Family	To be filled by O.E.M.
Baseboard Product	WL Series
Enclosure Type	Desktop
Ethernet MAC Address	80EE73F03444
Processor Information	
Processor Type	Intel(R) Core(TM) i3-8145UE CPU @ 2.20GHz
Processor Speed	2400 MHz
Memory Information	
Total Memory	4096 MB (DDR4)
Memory Frequency	2400 MHz
PCH Information	
Intel VT-d	Supported(Enabled)
ME FW Version	12.0.64.1551

At the bottom of the screen, the version and copyright information are displayed: "Ver. 2.21.1277 Copyright (C) 2020 American Megatrends International, LLC."

- System Time/System Date

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.

➤ Advanced Menu



- Wake on LAN

Enable/Disable integrated LAN to wake the system.

- PowerOn by RTC Alarm

Enable/Disable system wake on Alarm event. When enable, System will wake on the hr:mm:sec specified

- Watchdog Function

Watchdog Function trigger on the Win OS.

- Restore On AC Power Loss

Specify what state to go to when power is re-applied after a power failure (G3 state).

-
- SATA1/M.2 SATA/M.2 PCIE

Enable/Disable Connect port.

- SIO Configuration

Set SIO configuration.

- External Display support

Select Type for External Display board.

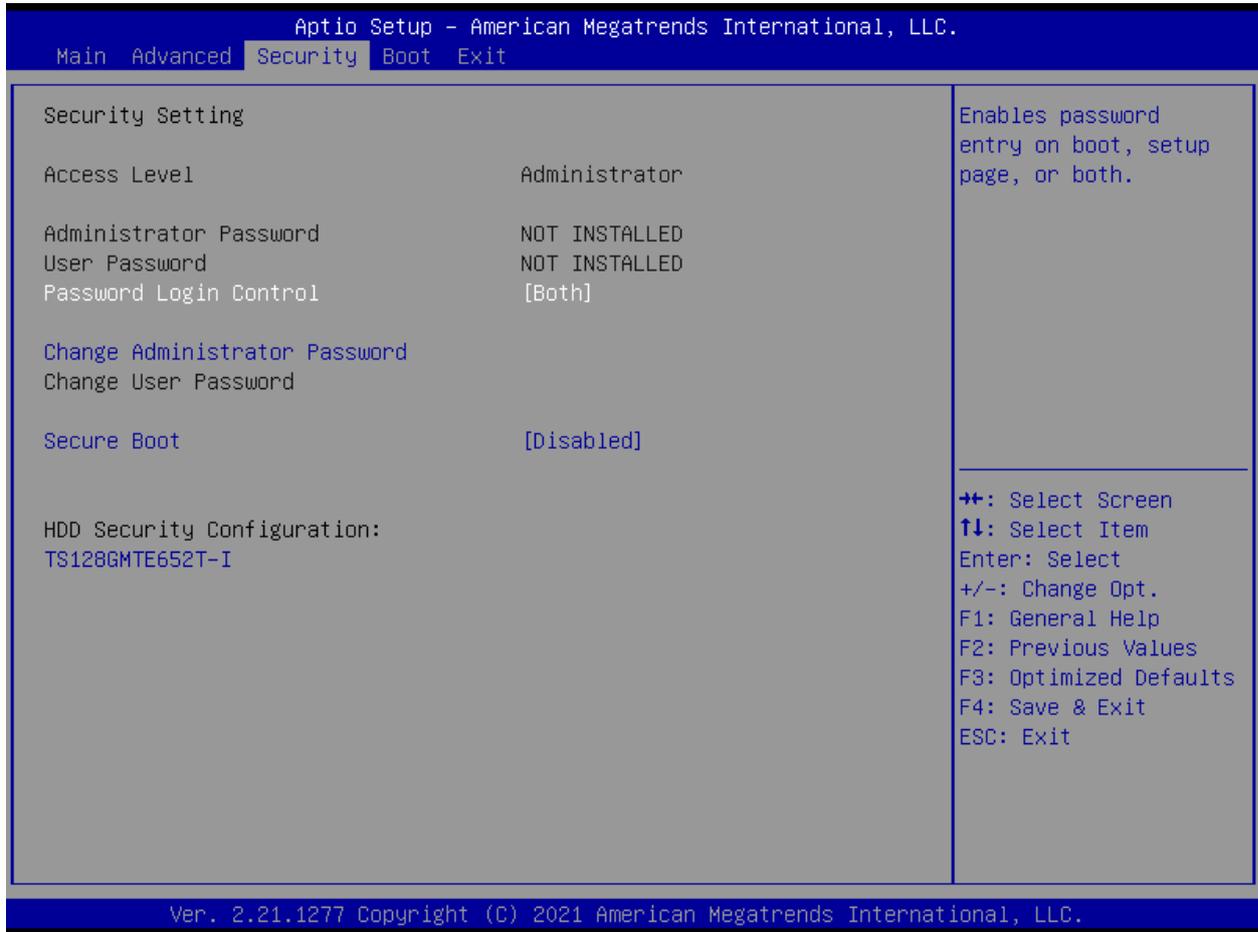
- Trusted Computing

Trusted Computing (TPM) setting

- Product Information

Allows you to insert Serial Number and UUID

➤ Security Menu



- Password Login Control : [Setup / Boot / Both]

It's the timing for password prompt. If the user choose the setup , the system only ask the password when user get into the setup. If the user choose the boot, the system only ask the password when boot.

- Change Administrator Password

It's the option for administrator password.

- Change User Password

It's the option for user password.

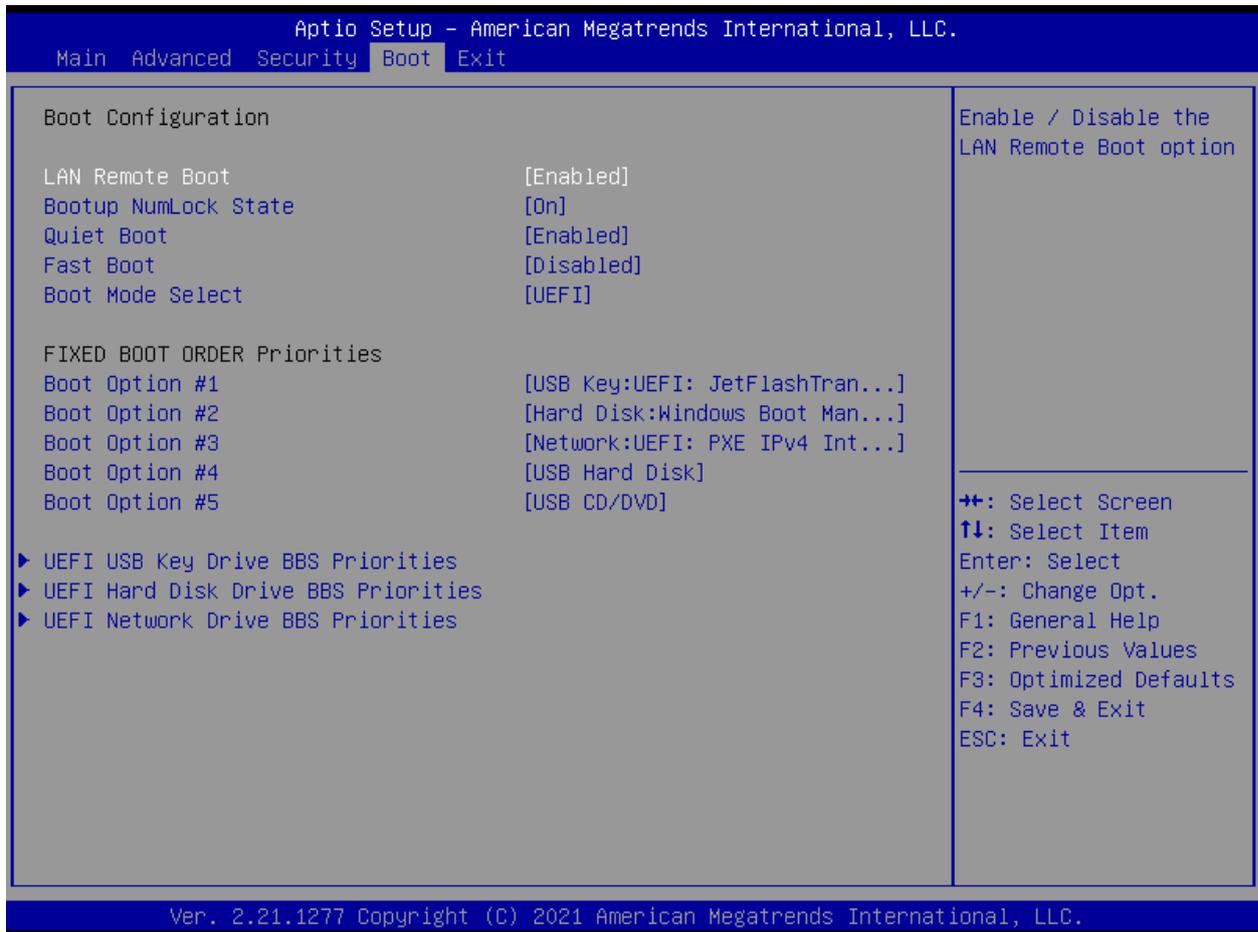
- Secure Boot

Enable / Disable the Secure Boot Support.

- Secure Boot Mode

Set the Secure Boot Mode status.

➤ Boot Menu



- LAN Remote Boot
Enable/Disable UEFI network stack.
- Bootup NumLock state
Select the keyboard NumLock state.
- Quiet Boot
Enables/disables Quiet Boot option.
- Fast Boot
Enables/disables Fast Boot option.
- Boot mode select (WL series only)
The default setting is UEFI because secure boot enable.

➤ Exit Menu

