



NUCS-1360P/D4 NUCS-1340P/D4

User Manual

Version 1.0

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DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.**

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Chapter 1 Introduction

Thank you for purchasing ASRockInd *NUCS-1360P/D4 / NUCS-1340P/D4* motherboard, a reliable motherboard produced under ASRockInd's consistently stringent quality control. It delivers excellent performance with robust design conforming to ASRockInd's commitment to quality and endurance.

In this manual, chapter 1 and 2 contain introduction of the motherboard and step-by-step guide to the hardware installation. Chapter 3 contains the configuration guide to BIOS setup.



Because the motherboard specifications and the BIOS software might be updated, the content of this manual will be subject to change without notice. In case any modifications of this manual occur, the updated version will be available on ASRockInd website without further notice. You may find the latest CPU support lists on ASRockInd website as well.

ASRockInd website <https://www.asrockind.com/>

If you require technical support related to this motherboard, please visit our website for specific information about the model you are using.

<https://www.asrockind.com/support/index.asp>

1.1 Package Contents

ASRockInd *NUCS-1360P/D4 / NUCS-1340P/D4* Motherboard (NUC 4.09" x 4.02" x 10.8" (104 x 102 x 276mm))

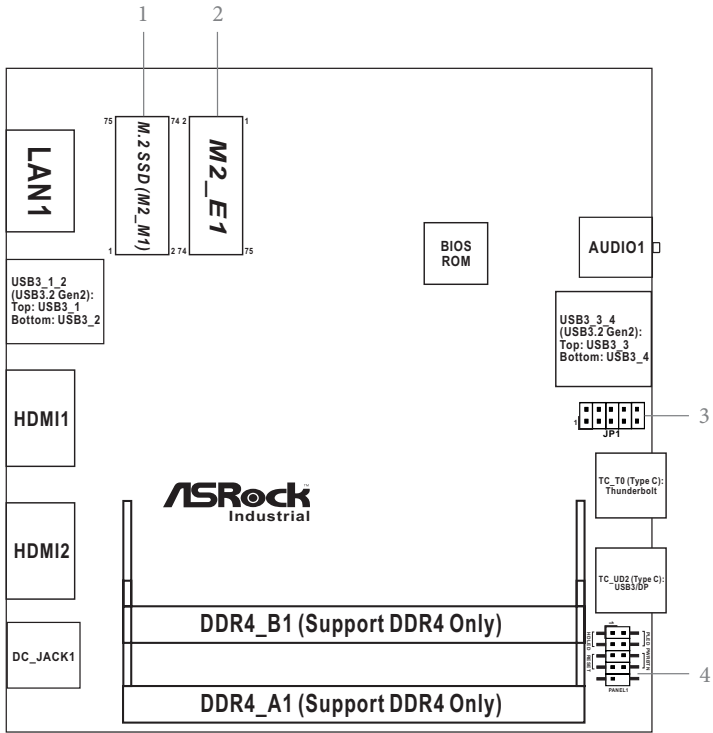
ASRockInd *NUCS-1360P/D4 / NUCS-1340P/D4* Jumper Setting Instruction

1.2 Specifications

Form Factor	Dimensions	NUC 4.09" x 4.02" x 10.8" (104 x 102 x 276mm)
Processor System	CPU	Intel® 13th Gen (Raptor Lake-P) Core™ Processors NUCS-1360P/D4(i7-1360P, 4P+8E) NUCS-1340P/D4(i5-1340P, 4P+8E)
	Chipset	MCP
	BIOS	AMI SPI 256 Mbit
Expansion Slot	M.2	1 x Wi-Fi 6E 802.11ax (2.4Gbps) + BT 5.2 (M.2 Key E, 2230 PCIe x1, USB 2.0 for Wireless)
Memory	Technology	Dual Channel DDR4 3200 MHz
	Capacity	64GB (32GB per DIMM)
	Socket	2 x 260-pin SO-DIMM
Graphics	Controller	Intel® Iris® Xe Graphics
	HDMI	HDMI 2.0b Max resolution up to 4096 x 2160@60Hz
	DisplayPort	DisplayPort 1.4a, DP++ Max resolution up to 4096x2160@60Hz
	Multi Display	Quad display (Included 2 output from Type-C)
Audio	Interface	Realtek ALC233/ALC256 , High Definition Audio
Ethernet	Controller/ Speed	Intel® I226LM with 10/100/1000/2500 Mbps
	Controller	1 x RJ-45
Front I/O	USB	2 x USB 3.2 Gen2 (Type A) 1 x USB4 (Supports DP1.4a display output) 1 x USB3.2 Gen2 (Type-C, Supports DP1.4a display output)
	Audio	1 (headphone & microphone jack)
Rear I/O	HDMI	2 x HDMI 2.0b
	Ethernet	1 x 2.5 Gigabit LAN
	USB	2 x USB 3.2 Gen2 (Type-A)
	DC Jack	1
Internal	TPM	TPM 2.0 onboard IC
Storage	M.2	1 x M.2 (KEY M, 2242/2280) with PCIe Gen4 x4 for SSD
Watchdog Timer	Output	From Super I/O to drag RESETCON#
	Interval	256 Segments, 0, 1, 2, ...255 Sec

Power Requirements	Input PWR	12V~19V DC-In Jack
	Power On	AT/ATX Supported - AT : Directly PWR on as power input ready - ATX : Press button to PWR on after power input ready
Environment	Operating Temp	0°C - 40°C
	Storage Temp	-40°C - 85°C
	Operating Humidity	5% - 90%
	Storage Humidity	5% - 90%

1.3 Motherboard Layout



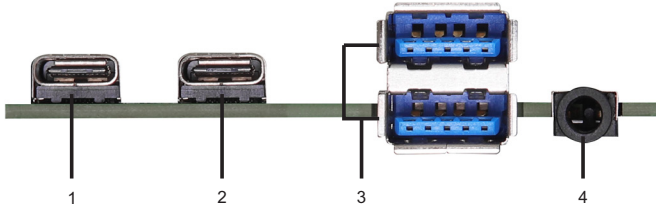
- 1 : M.2 Key-M Socket (M2_M1)
- 2 : M.2 Key-E Socket (M2_E1)
- 3 : JP1
 - JP1_21: SIO AT Mode
 - JP1_35: DACC
 - JP1_46: CMOS2
 - JP1_68: CMOS
- 4 : System Panel Header (PANEL1)

Back Side:

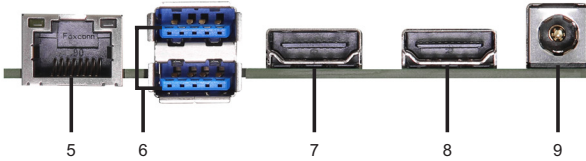
- Power Button (PWR_BTN1)
- Fan Connector (FAN1)
- Battery Connector (BAT1)
- ESPI Connector (ESPI1)

1.4 I/O Panel

Front I/O



Rear I/O



- | | | | |
|---|---------------------------------|---|-------------------------------|
| 1 | USB3/DP Type-C Port (TC_UD2) | 5 | RJ-45 LAN Port (LAN1) |
| 2 | Thunderbolt Type-C Port (TC_T0) | | (Supports vPro)* |
| 3 | USB 3.2 Gen2 Ports (USB3_3_4) | 6 | USB 3.2 Gen2 Ports (USB3_1_2) |
| 4 | Audio Jack (AUDIO1) | 7 | HDMI Port (HDMI1) |
| | | 8 | HDMI Port (HDMI2) |
| | | 9 | DC-In Jack (DC_JACK1) |

* There are two LED next to the LAN port. Please refer to the table below for the LAN port LED indications.

LAN Port LED Indications

Activity/Link LED		SPEED LED		ACT/LINK LED	SPEED LED
Status	Description	Status	Description		
Off	No Link	Off	10Mbps/100Mbps connection		
Blinking	Data Activity	Orange	1Gbps connection		
On	Link	Green	2.5Gbps connection		

LAN Port

Chapter 2 Installation

This is a NUC 4.09" x 4.02" x 10.8" (104 x 102 x 276mm) form factor motherboard. Before you install the motherboard, study the configuration of your chassis to ensure that the motherboard fits into it.



Make sure to unplug the power cord before installing or removing the motherboard. Failure to do so may cause physical injuries to you and damages to motherboard components.

2.1 Screw Holes

Place screws into the holes to secure the motherboard to the chassis.



Do not over-tighten the screws! Doing so may damage the motherboard.

2.2 Pre-installation Precautions

Take note of the following precautions before you install motherboard components or change any motherboard settings.

1. Unplug the power cord from the wall socket before touching any component.
2. To avoid damaging the motherboard components due to static electricity, NEVER place your motherboard directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before you handle components.
3. Hold components by the edges and do not touch the ICs.
4. Whenever you uninstall any component, place it on a grounded antistatic pad or in the bag that comes with the component.
5. Heatsink (The thermal solution of whole system needs to be designed additionally.)

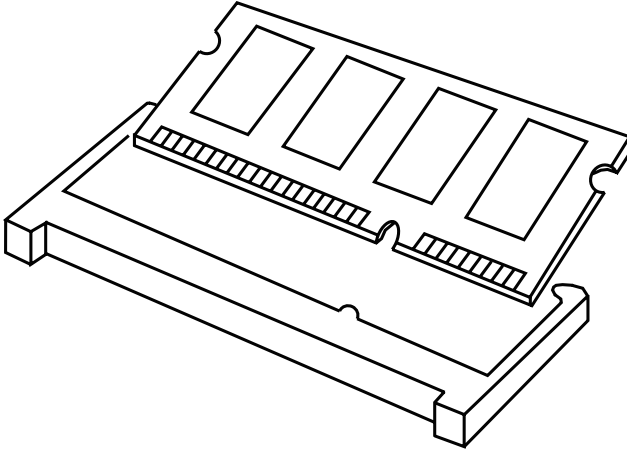


Before you install or remove any component, ensure that the power is switched off or the power cord is detached from the power supply. Failure to do so may cause severe damage to the motherboard, peripherals, and/or components.

2.3 Installation of Memory Modules (SO-DIMM)

NUCS-1360P/D4 / NUCS-1340P/D4 provides two 204-pin DDR4 (Double Data Rate 4) SO-DIMM slots.

- Step 1. Align a SO-DIMM on the slot such that the notch on the SO-DIMM matches the break on the slot.



1. *The SO-DIMM only fits in one correct orientation. It will cause permanent damage to the motherboard and the SO-DIMM if you force the SO-DIMM into the slot at incorrect orientation.*
2. *Please do not intermix different voltage SO-DIMMs on this motherboard.*

- Step 2. Firmly insert the SO-DIMM into the slot until the retaining clips at both ends fully snap back in place and the SO-DIMM is properly seated.

2.4 Expansion Slots

There are 2 M.2 sockets on this motherboard.

M.2 sockets:

1 x M.2 (Key M, 2242/2260/2280) with PCIe4 for SSD

*M.2 Key M 2280(Supported by bracket)

1 x M.2 (Key E, 2230) with PCIe x1, USB 2.0 and CNVi for Wireless.

M.2 Key-M Socket
(M2_M1)

PIN	SIGNAL	SIGNAL	PIN
75	GND		
73	GND	+3.3V	74
71	GND	+3.3V	72
69	PEDET	+3.3V	70
67	NA	NA	68
57	GND	NA	58
55	PEFCLKp	NA	56
53	PEFCLKn	WAKE#	54
51	GND	CLKREQ#	52
49	PETP0	PERST#	50
47	PETn0	NA	48
45	GND	NA	46
43	PERp0	NA	44
41	PERn0	SMB_DATA	42
39	GND	SMB_CLK	40
37	PETp1	GND	38
35	PETn1	USB2_DN	36
33	GND	USB2_DP	34
31	PERp1	GND	32
29	PERn1	NA	30
27	GND	NA	28
25	PETp2	NA	26
23	PETn2	NA	24
21	GND	NA	22
19	PERp2	NA	20
17	PERn2	+3.3V	18
15	GND	+3.3V	16
13	PETp3	+3.3V	14
11	PETn3	+3.3V	12
9	GND	LED#	10
7	PERp3	NA	8
5	PERn3	NA	6
3	GND	+3.3V	4
1	GND	+3.3V	2

M.2 Key-E Socket
(M2_E1)

PIN	SIGNAL	SIGNAL	PIN
2	+3.3V	GND	1
4	+3.3V	USB_D+	3
6	NA	USB_D-	5
8	NA	GND	7
10	CNV_RF_RESET	CNV_WGR_D1-	9
12	NA	CNV_WGR_D1+	11
14	MODEM_CLKREQ	GND	13
16	NA	CNV_WGR_D0-	15
18	GND	CNV_WGR_D0+	17
20	NA	GND	19
22	CNV_BRI_RSP	CNV_WGR_CLK-	21
		CNV_WGR_CLK+	23
32	CNV_BGL_DT	GND	33
34	CNV_RGI_RSP	PETp	35
36	CNV_BRI_DT	PETn	37
38	NA	GND	39
40	NA	PERp	41
42	NA	PERn	43
44	NA	GND	45
46	NA	PEFCLKp	47
48	NA	PEFCLKn	49
50	SUSCLK	GND	51
52	PERST0#	CLKREQ#	53
54	W_DISABLE1#	WAKE#	55
56	W_DISABLE2#	GND	57
58	SMB_DATA	CNV_WT_D1-	59
60	SMB_CLK	CNV_WT_D1+	61
62	NA	GND	63
64	NA	CNV_WT_D0-	65
66	NA	CNV_WT_D0+	67
68	NA	GND	69
70	NA	CNV_WT_CLK-	71
72	+3.3V	CNV_WT_CLK+	73
74	+3.3V	GND	75
76	N/C	GND	75

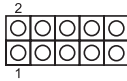
2.5 Onboard Headers and Connectors



Onboard headers and connectors are NOT jumpers. Do NOT place jumper caps over these headers and connectors. Placing jumper caps over the headers and connectors will cause permanent damage of the motherboard!

JP1 Header

(10-pin JP1)
(see p. 4 No. 3)



JP1_21: SIO AT Mode

JP1_35: DACC*

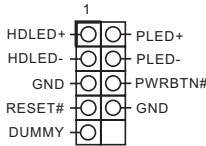
JP1_46: CMOS2

JP1_68: CMOS

Auto clear CMOS when system boot improperly.

System Panel Header

(9-pin PANEL1)
(see p. 4 No. 4)



This header accommodates several system front panel functions.



Connect the power switch, reset switch and system status indicator on the chassis to this header according to the pin assignments below. Note the positive and negative pins before connecting the cables.

PWRBTN (Power Switch):

Connect to the power switch on the chassis front panel. You may configure the way to turn off your system using the power switch.

RESET (Reset Switch):

Connect to the reset switch on the chassis front panel. Press the reset switch to restart the computer if the computer freezes and fails to perform a normal restart.

PLED (System Power LED):

Connect to the power status indicator on the chassis front panel. The LED is on when the system is operating. The LED keeps blinking when the system is in S1 sleep state. The LED is off when the system is in S3/S4 sleep state or powered off (S5).

HDLED (Hard Drive Activity LED):

Connect to the hard drive activity LED on the chassis front panel. The LED is on when the hard drive is reading or writing data.

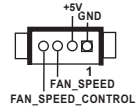
The front panel design may differ by chassis. A front panel module mainly consists of power switch, reset switch, power LED, hard drive activity LED, speaker and etc. When connecting your chassis front panel module to this header, make sure the wire assignments and the pin assignments are matched correctly.

Backside:

Power Button
(PWR_BTN1)



Fan Connector
(FAN1)



Battery Connector
(BAT1)

ESPI Connector
(ESPI1)

Chapter 3 UEFI SETUP UTILITY

3.1 Introduction

ASRock Industrial UEFI (Unified Extensible Firmware Interface) is a BIOS utility which offers tweak-friendly options in an advanced viewing interface. The UEFI system works with a USB mouse and offers users a faster, sleeker experience.

This BIOS utility can perform the Power-On Self-Test (POST) during system startup, record hardware parameters of the system, load operating system, and so on. The battery on the motherboard supplies the power needed to the CMOS when the system power is turned off, and the values configured in the UEFI utility are kept in the CMOS.

Please note that inadequate BIOS settings may cause system instability, malfunction or boot failure. We strongly recommend that you do not alter the UEFI default configurations or change the settings only with the assistance of a trained service person.

If the system becomes unstable or fails to boot after you change the setting, try to clear the CMOS values and reset the board to default values. See your motherboard manual for instructions.

3.1.1 Entering BIOS Setup

You may run the UEFI SETUP UTILITY by pressing <F2> or <Delete> right after you power on the computer; otherwise, the Power-On-Self-Test (POST) will continue with its test routines. If you wish to enter the UEFI SETUP UTILITY after POST, restart the system by pressing <Ctl> + <Alt> + <Delete>, or by pressing the reset button on the system chassis. You may also restart by turning the system off and then back on.

This setup guide explains how to use the UEFI SETUP UTILITY to configure all the supported system. The screenshots in this manual are for reference only. UEFI Settings and options may vary owing to different BIOS release versions or CPU installed. Please refer to the actual BIOS version of the motherboard you purchased for detailed screens, settings and options.

3.1.2 UEFI Menu Bar

The top of the screen has a menu bar with the following selections:

Main	For setting system time/date information
Advanced	For advanced system configurations
H/W Monitor	Displays current hardware status
Security	For security settings
Boot	For configuring boot settings and boot priority
Exit	Exit the current screen or the UEFI Setup Utility



Because the UEFI software is constantly being updated, the following UEFI setup screens and descriptions for reference purpose only, and may vary from the latest BIOS and do not exactly match what you see on your screen.

3.1.3 Navigation Keys

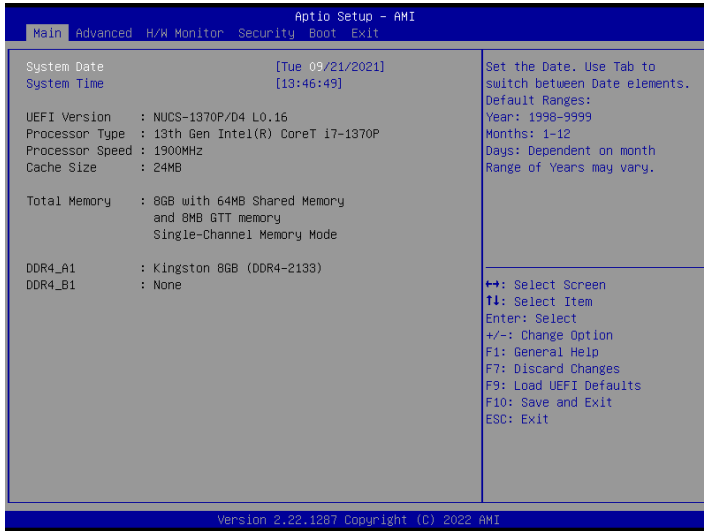
Use <←> key or <→> key to choose among the selections on the menu bar, and use <↑> key or <↓> key to move the cursor up or down to select items, then press <Enter> to get into the sub screen. You can also use the mouse to click your required item.

Please check the following table for the descriptions of each navigation key.

Navigation Key(s)	Description
+ / -	To change option for the selected items
<Tab>	Switch to next function
<PGUP>	Go to the previous page
<PGDN>	Go to the next page
<HOME>	Go to the top of the screen
<END>	Go to the bottom of the screen
<F1>	To display the General Help Screen
<F7>	Discard changes and exit the SETUP UTILITY
<F9>	Load optimal default values for all the settings
<F10>	Save changes and exit the SETUP UTILITY
<F12>	Print screen
<ESC>	Jump to the Exit Screen or exit the current screen

3.2 Main Screen (Advanced Mode)

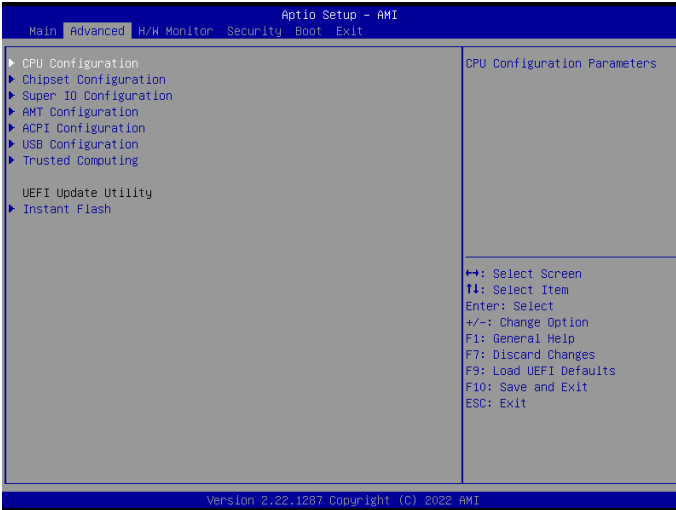
When you enter the UEFI SETUP UTILITY, the Main screen will appear and display the system overview.



Because the UEFI software is constantly being updated, the following UEFI setup screens and descriptions are for reference purpose only, and they may not exactly match what you see on your screen. Options may also vary depending on the features of your motherboard.

3.3 Advanced Screen

In this section, you may set the configurations for the following items: CPU Configuration, Chipset Configuration, Super IO Configuration, AMT Configuration, ACPI Configuration, USB Configuration and Trusted Computing.



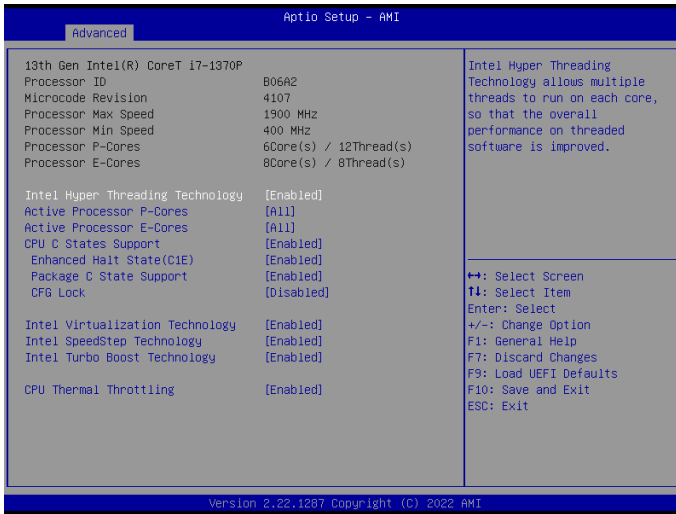
Setting wrong values in this section may cause the system to malfunction.

Instant Flash

Instant Flash is a UEFI flash utility embedded in Flash ROM. This convenient UEFI update tool allows you to update system UEFI without entering operating systems first like MS-DOS or Windows®. Just launch this tool and save the new UEFI file to your USB flash drive, floppy disk or hard drive, and then you can update your UEFI in only a few clicks without preparing an additional floppy diskette or other complicated flash utility. Please be noted that the USB flash drive or hard drive must use FAT32/16/12 file system. If you execute Instant Flash utility, the utility will show the UEFI files and their respective information. Select the proper UEFI file to update your UEFI, and reboot your system after UEFI update process completes.

Configuration options: [Easy Mode] [Advanced Mode]

3.3.1 CPU Configuration



Intel Hyper Threading Technology

Intel Hyper Threading Technology allows multiple threads to run on each core, so that the overall performance on threaded software is improved.

Configuration options: [Enabled] [Disabled]

Active Processor P-Cores

Allows you to select the number of cores to enable in each processor package.

Active Processor E-Cores

Allows you to select the number of E-Cores to enable in each processor package.

NOTE: Number of P-Cores and E-Cores are looked at together. When both are {0,0}, Pcode will enable all cores.

CPU C States Support

Allows you to enable CPU C States Support for power saving. It is recommended to keep C3, C6 and C7 all enabled for better power saving.

Configuration options: [Enabled] [Disabled]

Enhanced Halt State (C1E)

Allows you to enable Enhanced Halt State (C1E) for lower power consumption.

Configuration options: [Auto] [Enabled] [Disabled]

Package C State Support

Allows you to enable CPU, PCIe, Memory, Graphics C State Support for power saving.

Configuration options: [Auto] [Enabled] [Disabled]

CFG Lock

Allows you to enable or disable the CFG Lock.

Configuration options: [Enabled] [Disabled]

Intel Virtualization Technology

Intel Virtualization Technology allows a platform to run multiple operating systems and applications in independent partitions, so that one computer system can function as multiple virtual systems.

Configuration options: [Enabled] [Disabled]

Intel SpeedStep Technology

Intel SpeedStep technology allows processors to switch between multiple frequencies and voltage points for better power saving and heat dissipation. CPU turbo ratio can be fixed when Intel SpeedStep Technology is set to [Disabled] and Intel Turbo Boost Technology is set to [Enabled].

Configuration options: [Enabled] [Disabled].

If you install Windows® 7 / 8 / 8.1 / 10 and want to enable this function, please set this item to [Enabled]. This item will be hidden if the current CPU does not support Intel SpeedStep technology.



Please note that enabling this function may reduce CPU voltage and lead to system stability or compatibility issues with some power supplies. Please set this item to [Disabled] if above issues occur.

Intel Turbo Boost Technology

Intel Turbo Boost Technology enables the processor to run above its base operating frequency when the operating system requests the highest performance state. The default value is [Enabled].

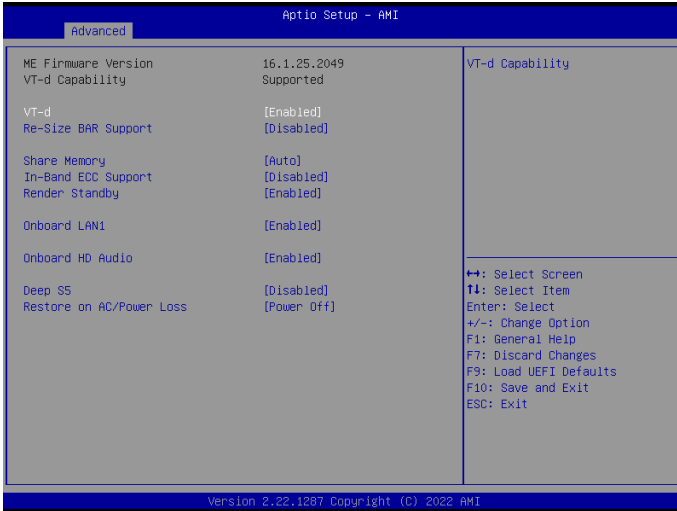
Configuration options: [Enabled] [Disabled]

CPU Thermal Throttling

CPU Thermal Throttling allows you to enable CPU internal thermal control mechanisms to keep the CPU from overheating.

Configuration options: [Enabled] [Disabled]

3.3.2 Chipset Configuration



VT-d

Intel® Virtualization Technology for Directed I/O helps your virtual machine monitor better utilize hardware by improving application compatibility and reliability, and providing additional levels of manageability, security, isolation, and I/O performance.

Configuration options: [Enabled] [Disabled]

Re-size BAR support

If system has Resizable BAR capable PCIe Devices, this option enables or disables Resizable BAR Support.

Share Memory

Share memory allows you to configure the size of memory that is allocated to the integrated graphics processor when the system boots up.

Configuration options: [Auto] [32M] [64M] [128M] [256M] [512M] [1024M]
Options vary depending on the memory you use on your motherboard.

In-Band ECC Support

This allows you to enable or disable In-Band ECC. The option will be enabled if memory has symmetric configuration.

Configuration options: [Enabled] [Disabled]

Render Standby

Power down the render unit when the GPU is idle for lower power consumption.

Onboard LAN1

This allows you to enable or disable the Onboard LAN1 feature.

Onboard HD Audio

This allows you to enable or disable the onboard HD audio.

Configuration options: [Enabled] [Disabled]

Deep S5

Mobile platforms support Deep S4/S5 in DC only and desktop platforms support Deep S4/S5 in AC only. The default value is [Disabled].

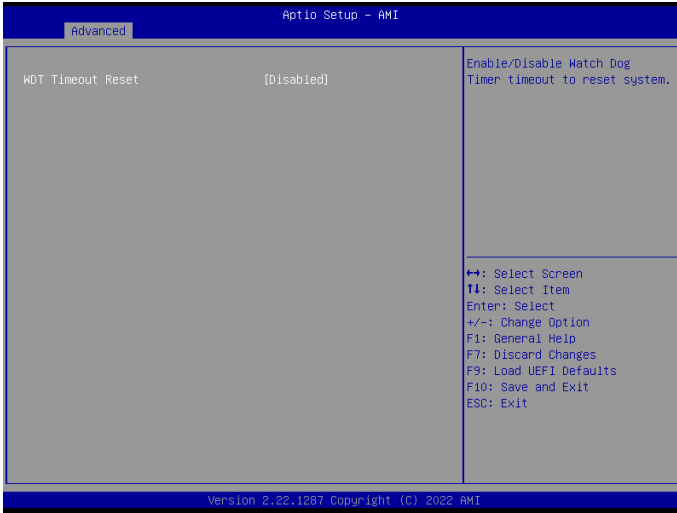
Restore on AC/Power Loss

Allows you to select the power state after a power failure.

[Power Off] sets the power to remain off when the power recovers.

[Power On] sets the system to start to boot up when the power recovers.

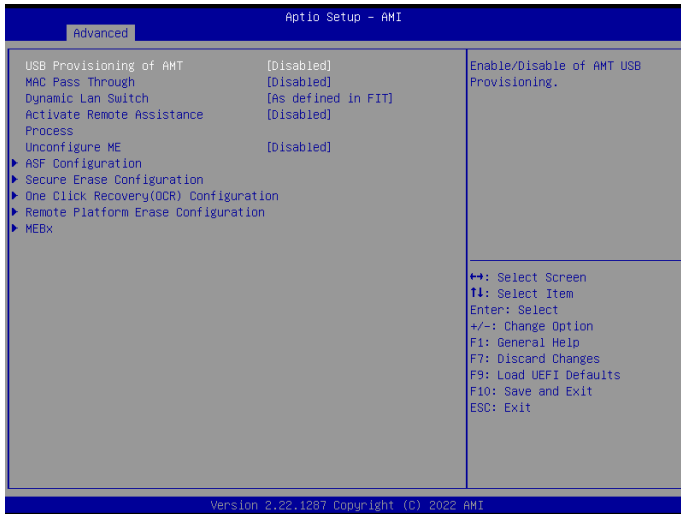
3.3.3 Super IO Configuration



WDT Timeout Reset

Use this to set the Watch Dog Timer.

3.3.4 AMT Configuration



USB Provisioning of AMT

Use this to enable or disable AMT USB Provisioning. The default is [Disabled].

MAC Pass Through

Use this to enable or disable MAC Pass Through. The default is [Disabled].

Dynamic Lan Switch

The option allows switching AMT support from Integrated LAN to Discrete LAN.

Activate Remote Assistance Process

Trigger CIRA boot. The default is [Disabled].

UnConfigure ME

Un-Configure ME without password. The default is [Disabled].

PET Progress

User can enable or disable PET Events progress to receive PET events or not. The default is [Enabled].

WatchDog

Use this to enable or disable AMT WatchDog Timer. The default is [Disabled].

ASF Sensors Table

Use this to enable or disable ASF Sensor Table. The default is [Disabled].

Secure Erase mode

Change Secure Erase module behavior: Simulated: Performs SE flow without erasing SSD. Real: Erase SSD.

Force Secure Erase

Use this to enable or disable Force Secure Erase on next boot. The default is [Disabled].

OCR Http Boot

Use this to enable or disable One Click Recovery Https Boot. The default is [Enabled].

OCR PBA Boot

Use this to enable or disable One Click Recovery PBA Boot. The default is [Enabled].

OCR Windows Recovery Boot

Use this to enable or disable One Click Recovery Windows Recovery Boot. The default is [Enabled].

OCR Disable Secure Boot

Use this to allows CSME to request Secure Boot to be disabled for One Click Recovery. The default is [Enabled].

Enable Remote Platform Erase Feature

Use this to enable or disable Remote Platform Erase Feature. The default is [Enabled].

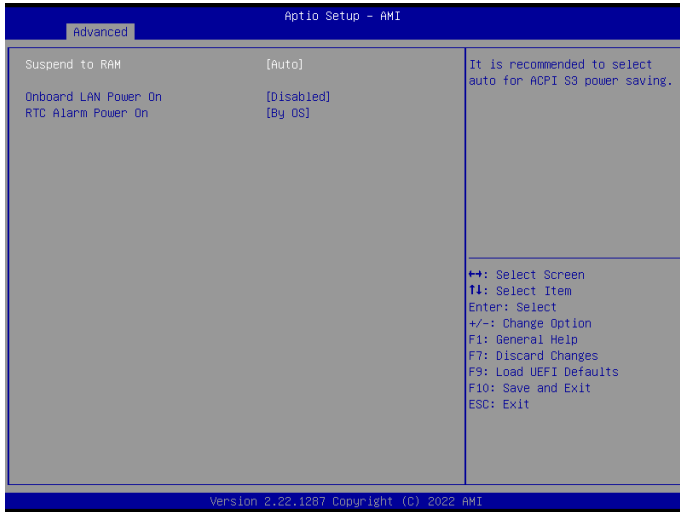
SSD Erase mode

Change RPE SSD Erase Action behavior: Simulated: Performs RPE SSD Erase flow without erasing SSD Real: Erase SSD.

Intel(R) ME Password

MEBx Login

3.3.5 ACPI Configuration



Suspend to RAM

Suspend to RAM allows you to select [Disabled] for ACPI suspend type S1. It is recommended to select [Auto] for ACPI S3 power saving.

Configuration options: [Auto] [Disabled]

Onboard LAN Power On

Use this item to enable or disable onboard LAN to turn on the system from the power-soft-off mode.

RTC Alarm Power On

RTC Alarm Power On allows the system to be waked up by the real time clock alarm. Set it to By OS to let it be handled by your operating system.

Configuration options: [Enabled] [Disabled] [By OS]

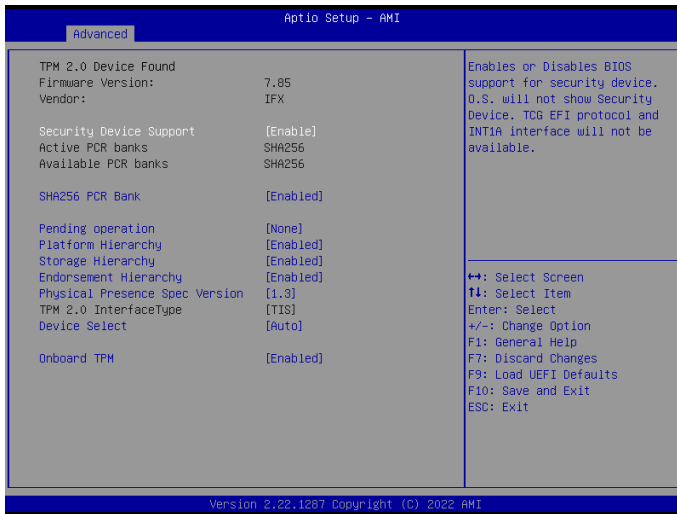
3.3.6 USB Configuration



USB Power Control

Use this option to control USB power.

3.3.7 Trusted Computing



NOTE: Options vary depending on the version of your connected TPM module.

Security Device Support

Security Device Support allows you to enable or disable BIOS support for security device. O.S. will not show Security Device. TCG EFI protocol and INT1A interface will not be available.

Configuration options: [Enabled] [Disabled]

Active PCR banks

This item displays active PCR Banks.

Available PCR Banks

This item displays available PCR Banks.

SHA256 PCR Bank

SHA256 PCR Bank allows you to enable or disable SHA256 PCR Bank.

Configuration options: [Enabled] [Disabled]

Pending Operation

Pending Operation allows you to schedule an Operation for the Security Device.

NOTE: Your computer will reboot during restart in order to change State of the Device.

Configuration options: [None] [TPM Clear]

Platform Hierarchy

This item allows you to enable or disable Platform Hierarchy.

Configuration options: [Enabled] [Disabled]

Storage Hierarchy

This item allows you to enable or disable Storage Hierarchy.

Configuration options: [Enabled] [Disabled]

Endorsement Hierarchy

This item allows you to enable or disable Endorsement Hierarchy.

Configuration options: [Enabled] [Disabled]

Physical Presence Spec Version

Select this item to tell OS to support PPI spec version 1.2 or 1.3. Please note that some HCK tests might not support version 1.3.

Configuration options: [1.2] [1.3]

TPM 2.0 InterfaceType

This item allows you to view the Communication Interface to TPM 2.0 Device: CRB or ITS.

Device Select

This item allows you to select the TPM device to be supported.

[TPM 1.2] restricts support to TPM 1.2 devices.

[TPM 2.0] restricts support to TPM 2.0 devices.

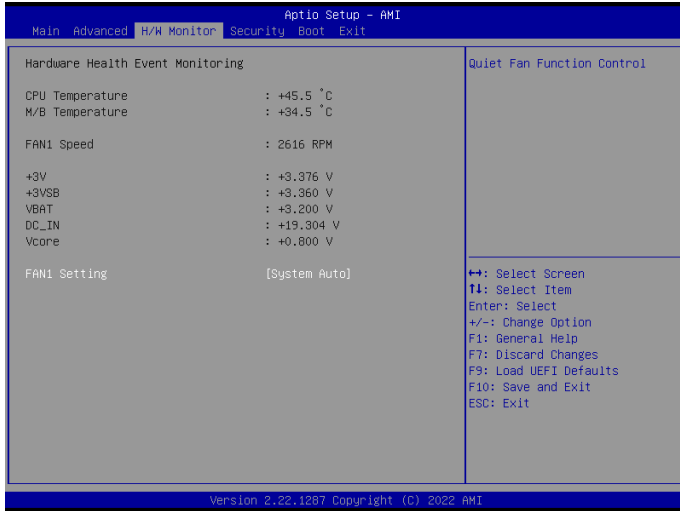
[Auto] supports both TPM 1.2 and TPM 2.0 devices with the default set to TPM 2.0 devices. If TPM 2.0 devices are not found, TPM 1.2 devices will be enumerated.

Onboard TPM

Enable/disable Intel PTT in ME. Disable this option to use discrete TPM Module.

3.4 Hardware Health Event Monitoring Screen

This section allows you to monitor the status of the hardware on your system, including the parameters of the CPU temperature, motherboard temperature, fan speed, chassis fan speed, and the critical voltage.



NOTE: Options vary depending on the features of your motherboard.

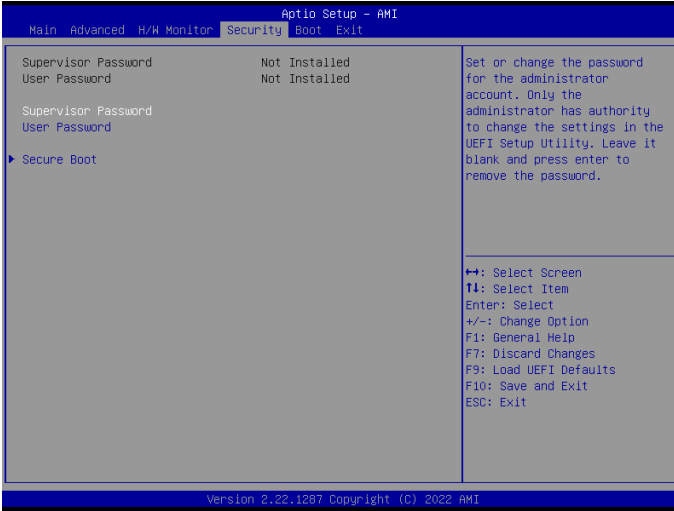
Fan1 Setting

This item allows you to select a fan mode for Fan 1. The default value is [System Auto].

Configuration options: [System Auto] [Full On] [Automatic Mode]

3.5 Security Screen

In this section you may set or change the supervisor/user password for the system. You may also clear the user password.



Supervisor Password

Set or change the password for the administrator account. Only the administrator has authority to change the settings in the UEFI Setup Utility. Leave it blank and press enter to remove the password.

User Password

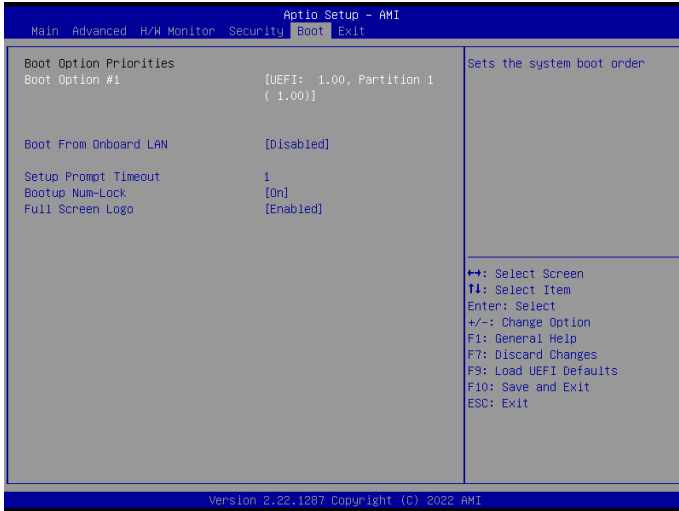
Set or change the password for the user account. Users are unable to change the settings in the UEFI Setup Utility. Leave it blank and press enter to remove the password.

Secure Boot

Press [Enter] to configure the Secure Boot Settings. The feature protects the system from unauthorized access and malwares during POST.

3.6 Boot Screen

This section displays the available devices on your system for you to configure the boot settings and the boot priority.



Boot Option #1

The item allows you to set the system boot order.

Boot From Onboard LAN

The item allows the system to be waked up by the onboard LAN.

Configuration options: [Enabled] [Disabled]

Setup Prompt Timeout

The item allows you to configure the number of seconds to wait for the UEFI setup utility.

Configuration options: [1] - [65535]

Bootup Num-Lock

The item allows you to select whether Num Lock should be turned on or off when the system boots up.

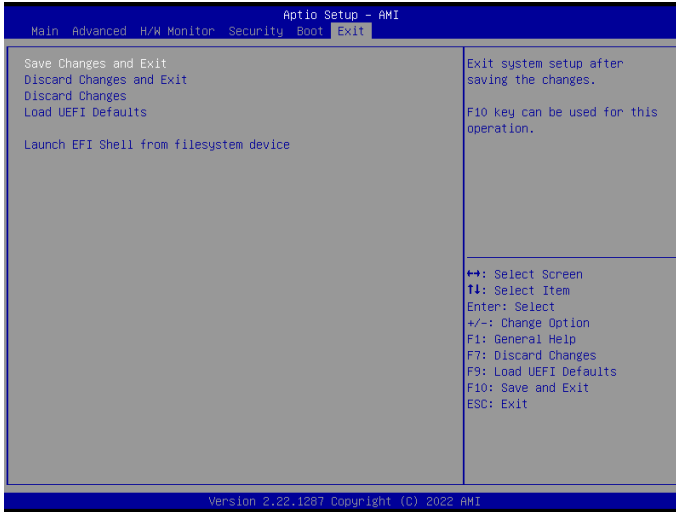
Configuration options: [On] [Off]

Full Screen Logo

[Enabled] Select this item to display the boot logo.

[Disabled] Select this item to show normal POST messages.

3.7 Exit Screen



Save Changes and Exit

When you select this option, the following message “Save configuration changes and exit setup?” will pop out. Press <F10> key or select [Yes] to save the changes and exit the UEFI SETUP UTILITY.

Discard Changes and Exit

When you select this option, the following message “Discard changes and exit setup?” will pop out. Press <ESC> key or select [Yes] to exit the UEFI SETUP UTILITY without saving any changes.

Discard Changes

When you select this option, the following message “Discard changes?” will pop out. Press <F7> key or select [Yes] to discard all changes.

Load UEFI Defaults

The item allows you to load UEFI default values for all options. The F9 key can be used for this operation.

Launch EFI Shell from filesystem device

The item allows you to copy shellx64.efi to the root directory to launch EFI Shell.