4X4 BOX-V1000
4X4 BOX-R1000

User Manual

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(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

CALIFORNIA, USA ONLY

The Lithium battery adopted on this motherboard contains Perchlorate, a toxic substance controlled in Perchlorate Best Management Practices (BMP) regulations passed by the California Legislature. When you discard the Lithium battery in California, USA, please follow the related regulations in advance.
"Perchlorate Material-special handling may apply, see www.dtsc.ca.gov/hazardouswaste/perchlorate"

ASRock's Website: www.ASRock.com

Replaceable batteries

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

Contact Information

If you need to contact ASRock or want to know more about ASRock, you're welcome to visit ASRock's website at www.ASRock.com; or you may contact your dealer for further information.

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Chapter 1 Introduction

Because the hardware specifications might be updated, the content of this documentation will be subject to change without notice.

1.1 Package Contents

- 4X4 BOX-R1000/V1000
- NUC-8365UE/NUC-8665UE (pre-installed motherboard)
- 1 x SATA 1 to 1 Power Cable
- 4 x HDD Screws (M3x4)
- 1 x WiFi Module Screw
- 1 x Screw for M.2 slot
- 1 x 96W Power Adapter
- User Manual

If any items are missing or appear damaged, contact your authorized dealer.

1.2 Product Specifications

4X4 BOX-V1000/ R1000		Barebone
CPU		AMD Ryzen™ Embedded R-Series 4X4 BOX-R1000M (R1606G, DC, 2.6GHz, 12-25W) 4X4 BOX-R1000V (R1505G, DC, 2.4GHz, 12-25W) AMD Ryzen™ Embedded V-Series V1605B, QC, 2GHz, 12-25W
OS		N/A
Chipset		AMD Ryzen™ R1505G DC/R1606G DC/V1605B QCSoC
Memory		Supports Dual Channel DDR4 2400 MHz, 2 x SO-DIMM slots, Max. 32GB
HDD	**eMMC**	N/A
	M.2 slot	Optional
	2.5"HDD	Supports 1 x 2.5" SATA HDD*/SSD
LAN		Gigabit LAN
WiFi		Optional
Audio		Realtek ALC233
Front I/O		1 x USB 3.1(Type A), 2 x USB 2.0 (Type A), 1 x Audio-out with MIC-In
Rear I/O		2 x USB 3.0 (Type A), 1 x HDMI, 2 x DP, 2 x LAN, DC-IN, 1 x Kensington lock

English

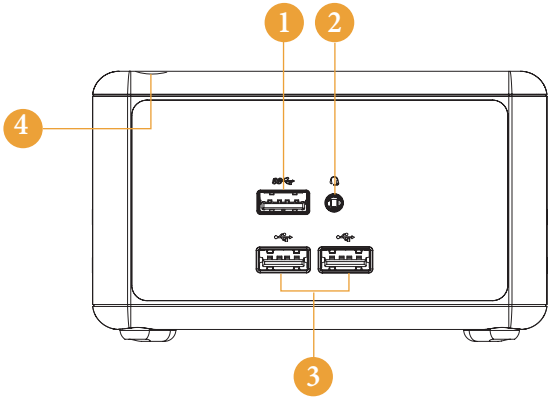
Power Unit	96W Adapter
Dimension	110.mm (W)x 118.5mm (D) x 67.3mm (H)
VESA	Bracket included , supports 75 x 75 and 100 x 100 mm
Volume (Liters)	0.6L
Operating Temperature	0°C~40°C

** For 4X4 BOX-V1000/R1000, it is not recommended to install 2.5" HDD. If you install the 2.5" HDD, please keep the 4X4 BOX-V1000/R1000 in a vertical position to ensure better cooling performance.*

Chapter 2 Product Overview

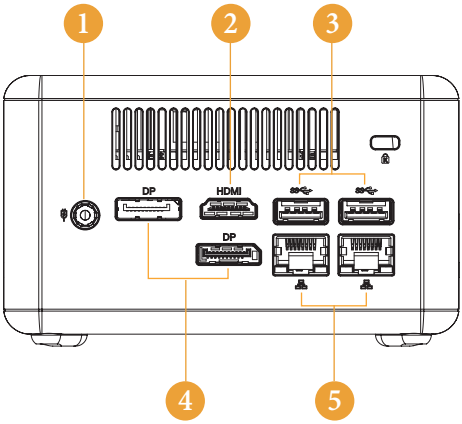
This chapter provides diagrams showing the location of important components of the 4X4 BOX-V1000/R1000.

2.1 Front View



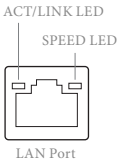
No.	Description
1	USB 3.0 (Type A)
2	Audio(Mic-in, Line-out)
3	2 x USB 2.0 (Type A)
4	Power Button

2.2 Rear View



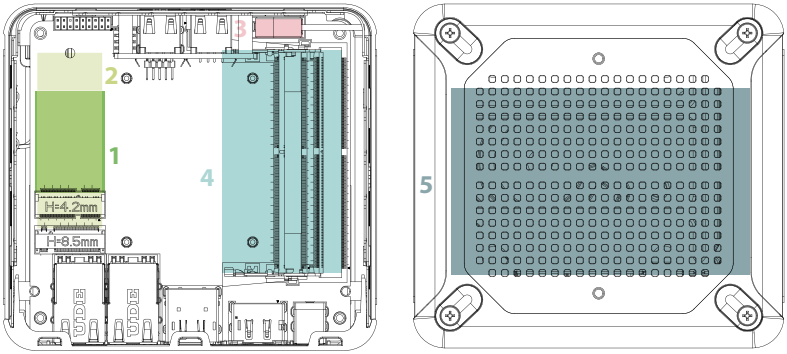
No.	Description
1	DC-IN
2	HDMI
3	2 x USB 3.0 (Type A)
4	2 x DisplayPort
5	2 x RJ-45

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



Activity / Link LED		Speed LED	
Status	Description	Status	Description
Off	No Link	Off	10Mbps connection
Blinking	Data Activity	Orange	100Mbps connection
On	Link	Green	1Gbps connection

2.3 Inside View



No.	Description
1	Mini PCIe Slot
2	M.2 Slot
3	SATA 3.0 Connectors
4	SO-DIMM Slot
5	Hard disk drive tray (compatible with 2.5" SATA HDD/SSD)

SO-DIMM memory, hard drive and mSATA SSD are not included with this system.

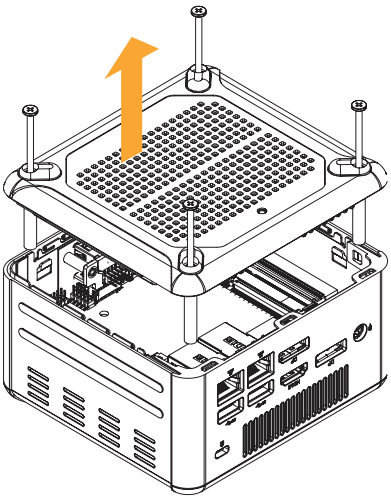
English

Chapter 3 Hardware Installation

This chapter helps you install or remove important components.

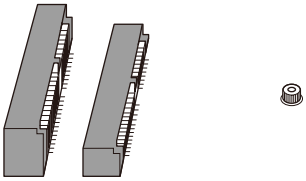
3.1 How to Remove the Bottom Case

1. Remove the four screws on the bottom case.
2. Then lift up and remove the bottom panel..

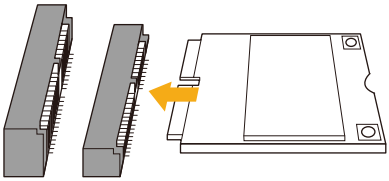


3.2 How to Install the WiFi Module

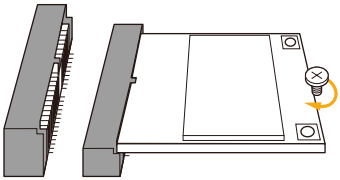
1. Locate the WiFi Module slot on the motherboard.



2. Carefully insert the WiFi Module into the slot.

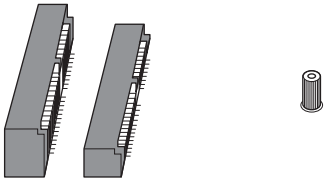


3. Tighten the screw to secure the WiFi Module to the motherboard.

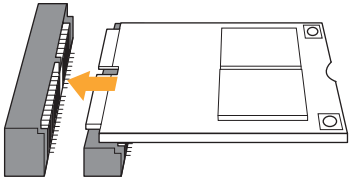


3.3 How to Install the M.2 SSD

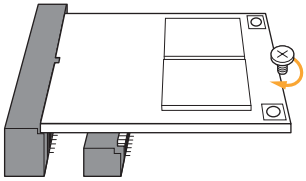
1. Locate the M.2 slot on the motherboard.



2. Carefully insert the M.2 SSD into the slot.

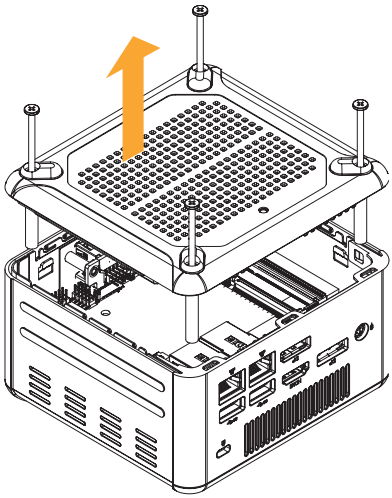


3. Tighten the screw to secure the M.2 SSD to the motherboard.

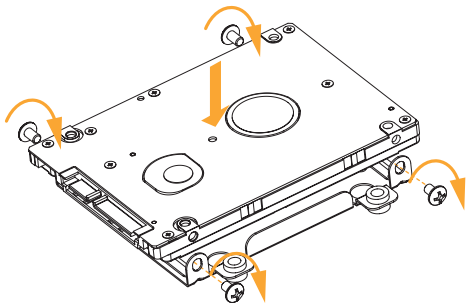


3.4 How to Install the 2.5-inch Hard Drive

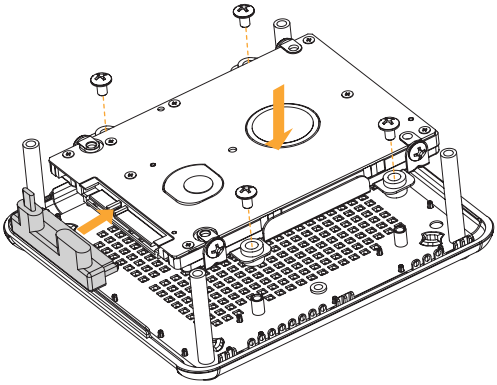
1. Remove the four screws on the bottom case. Then lift up and remove the bottom panel.



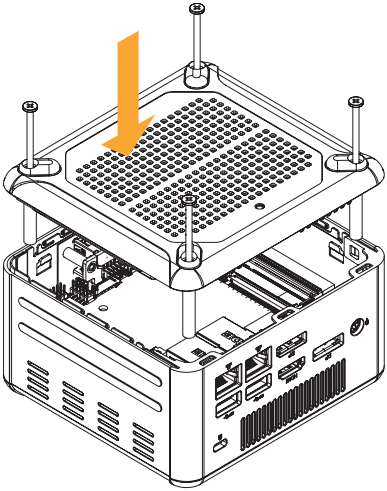
2. Attach the HDD to the hard drive mounting bracket and secure it using the four screws.



3. Attach the HDD assembly to the bottom panel and secure it using the four screws. Connect the SATA Data and Power Cable to the HDD.



4. Then reinstall the bottom panel.



3.5 How to Install the Memory Modules
(DDR4 Low Voltage (1.2V))

1. *The 4X4 BOX-V1000/R1000 requires DDR4 SO-DIMM (1.2V).*
2. *For dual channel configuration, you always need to install identical (the same brand, speed, size and chip-type) DDR4 SO-DIMM pairs.*

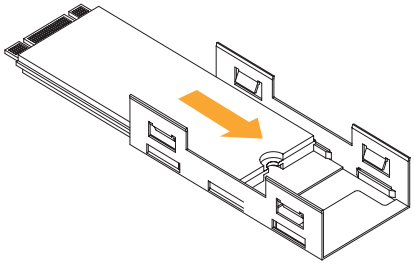
The SO-DIMM only fits in one correct orientation. It will cause permanent damage to the motherboard and the DIMM if you force the DIMM into the slot at incorrect orientation.

1. Carefully insert the SO-DIMM memory modules into the slot at a 30-degree angle.

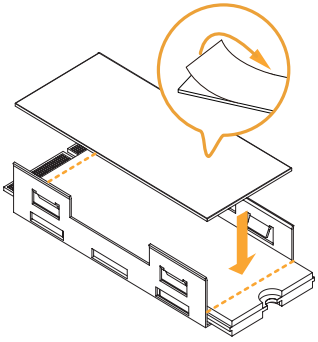
2. Push down until the modules snap into place.

3.6 How to Install the M.2 Heatsink

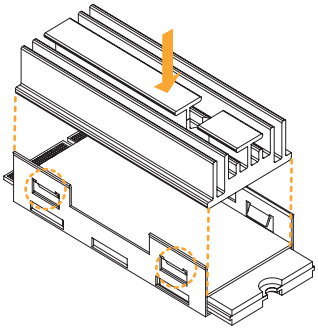
1. Gently insert the M.2 module, along the guiding tabs, into the heatsink bracket.



2. Remove the membranes from both sides of the thermal pad. Then paste the thermal pad onto the M.2 module.

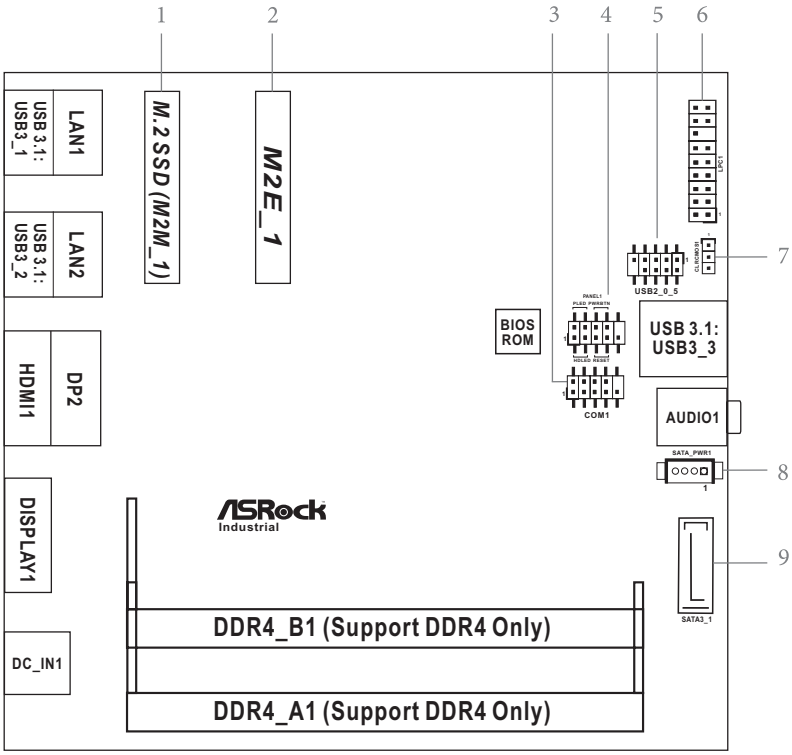


3. Align the heatsink to the edge of the bracket and press down the heatsink into the bracket until it clips into place.



Chapter 4 Motherboard

4.1 Motherboard Layout



1 : M.2 Key-M Socket (M2M_1)
2 : M.2 Key-E Socket (M2E_1)
3 : COM Port Header (RS232/422/485)
4 : System Panel Header (PANEL1)
5 : USB2.0 Connector (USB2_0_5)
6 : LPC Debug Header (LPC1)
7 : Clear CMOS Headers (CLRCMOS1)
8 : SATA Power Output Connector (SATA_PWR1)
9 : SATA3 Connector (SATA3_1)

Back Side :
Power Button (PWR_BTN3)
Fan Connector (FAN1)

English

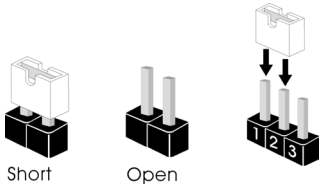
4.2 Motherboard Specifications

Form Factor	Dimensions	NUC 4.09" x 4.02" (104 x 102mm)
Processor System	CPU	AMD Ryzen™ Embedded R-Series (R1606G, DC, 2.6GHz, 12-25W) (4X4-R1000M) (R1505G, DC, 2.4GHz, 12-25W) (4X4-R1000V) AMD Ryzen™ Embedded V-Series (V1605B, QC, 2GHz, 12-25W) (4X4-V1000M)
	Chipset	SoC
Expansion Slot	M.2	1 x Key M (2242/2260/2280 by BRACKET) with PCIe x4 and SATA3 for SSD 1 x Key E (2230) with PCIe x1 and USB 2.0 for Wireless
Memory	Technology	Dual Channel DDR4 2400MHz
	Max.	32GB
	Socket	2 x SO-DIMM
	ECC Support	Yes
Graphics	Controller	AMD Radeon™ Vega 3 Graphics (4X4-R1000M / 4X4-R1000V) AMD Radeon™ Vega 8 Graphics (4X4-V1000M)
	HDMI	Supports HDMI 2.0, max resolution up to 4096x2160@ 60Hz
	DisplayPort	DisplayPort 1.4 with max resolution up to 4096 x 2160@ 60Hz
	Multi Display	Triple Display
Ethernet	Ethernet	10/100/1000 Mbps
	Controller	2 x Realtek RTL8111G
Front I/O	Front USB	1 x USB 3.1
	Front Audio	1 (Mic-in, Line-out)
Rear I/O	HDMI	1
	DisplayPort	2
	Ethernet	2
	USB	2 x USB 3.1

Internal Connector	USB	2 x USB 2.0
	Serial	1 x COM (RS-232/422/485)
	SATA	1 x SATA3 (6.0Gb/s)
	SATA PWR Output	1
	TPM	1 x Header
Watchdog Timer	Output	From Super I/O to drag RESETCON#
	Interval	256 segments, 0,1,2…255sec
Power Requirements	Input PWR	12V only (DC Jack)
	Power On	AT/ATX Supported AT: Directly PWR on as Power input ready
		Environment ATX: Press Button to PWR on after Power input ready
Environment	Operating Temp	0ºC – 60ºC
	Storage Temp	-40ºC – 85°C

4.3 Jumpers Setup

The illustration shows how jumpers are setup. When the jumper cap is placed on pins, the jumper is “Short”. If no jumper cap is placed on pins, the jumper is “Open”. The illustration shows a 3-pin jumper whose pin1 and pin2 are “Short” when jumper cap is placed on these 2 pins.



Clear CMOS Jumper
(3-pin CLRMOS1)
(see p.16, No. 7)

Note: CLRMOS1 allows you to clear the data in CMOS. To clear and reset the system parameters to default setup, please turn off the computer and unplug the power cord from the power supply. After waiting for 15 seconds, use a jumper cap to short pin2 and pin3 on CLRMOS1 for 5 seconds. However, please do not clear the CMOS right after you update the BIOS. If you need to clear the CMOS when you just finish updating the BIOS, you must boot up the system first, and then shut it down before you do the clear-CMOS action. Please be noted that the password, date, time, user default profile and MAC address will be cleared only if the CMOS battery is removed.

4.4 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!

SATA3 Connector

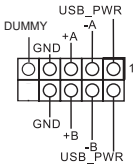
(SATA3_1: see p.16, No. 9)

This Serial ATA3 (SATA3) connector supports SATA data cables for internal storage devices. The current SATA3 interface allows up to 6.0 Gb/s data transfer rate.

USB 2.0 Connector

(9-pin USB2_0_5)

(see p.16 No. 5)

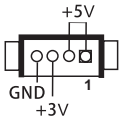


There is one USB 2.0 connector on this motherboard.

SATA Power Output Connector

(SATA_PWR1)

(see p.16, No. 8)

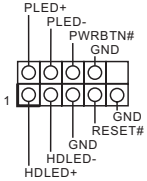


Please connect a SATA power cable to this connector.

System Panel Header

(9-pin PANEL1)

(see p.16 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.

English

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).

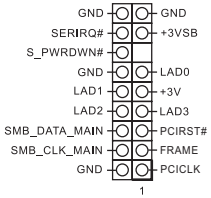
HDLED (Hard Drive Activity LED):
Connect to the hard drive activity LED on the chassis front panel. The LED is on when the hard drive is reading or writing data.

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 assign-ments are matched correctly.

LPC Debug Header

(13-pin LPC1)

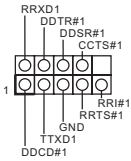
(see p.16, No. 6)



This connector supports a Trusted Platform Module (TPM) system, which can securely store keys, digital certificates, passwords, and data. A TPM system also helps enhance network security, protects digital identities, and ensures platform integrity.

COM Port Header (RS232/422/485)

(9-pin COM1: see p.16, No. 3)



* This motherboard supports RS232/422/485 on COM1 port. Please refer to below table for the pin definition. In addition, COM1 port (RS232/422/485) can be adjusted in BIOS setup utility > Advanced Screen > Super IO Configuration. You may refer to page 23 for details.

COM1 Port Pin Definition

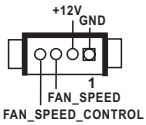
PIN	RS232	RS422	RS485
1	DCD, Data Carrier Detect	TX-	RTX-
2	RXD, Receive Data	TX+	RTX+
3	TXD, Transmit Data	RX+	N/A
4	DTR, Data Terminal Ready	RX-	N/A
5	GND	GND	GND
6	DSR, Data Set Ready	N/A	N/A
7	RTS, Request To Send	N/A	N/A
8	CTS, Clear To Send	N/A	N/A
9	N/A	N/A	N/A

English

Back Side:

Power Button Header
(PWR_BTN3)

Fan Connector
(FAN1)



English

4.5 Expansion Slots (M.2 Slots)

There are 2 M.2 slots on this motherboard.

M.2 for SSD: Key M (M2_1) (2242/2260/2280 by BRACKET) supports PCIe x4 and SATA3 for SSD.

M.2 for Wi-Fi: Key E (M2_2) (2230) supports PCIe x1 and USB 2.0 for Wireless.

M.2 Key-M Socket (M2M_1)

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

M.2 Key-E Socket (M2E_1)

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

English

Chapter 5 UEFI Setup Utility

5.1 Introduction

This section explains how to use the UEFI SETUP UTILITY to configure your system. The UEFI chip on the motherboard stores the UEFI SETUP UTILITY. You may run the UEFI SETUP UTILITY when you start up the computer. Please press <F2> or <Del> during the Power-On-Self-Test (POST) to enter the UEFI SETUP UTILITY, otherwise, 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.

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.

5.1.1 UEFI Menu Bar

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

Main	To set up the system time/date information
Advanced	To set up the advanced UEFI features
H/W Monitor	To display current hardware status
Security	To set up the security features
Boot	To set up the default system device to locate and load the Operating System
Exit	To exit the current screen or the UEFI SETUP UTILITY

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

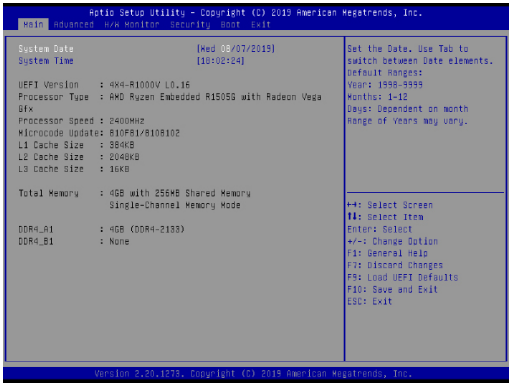
5.1.2 Navigation Keys

Please check the following table for the function description of each navigation key.

Navigation Key(s)	Function Description
← / →	Moves cursor left or right to select Screens
↑ / ↓	Moves cursor up or down to select items
+ / -	To change option for the selected items
<Enter>	To bring up the selected screen
<F1>	To display the General Help Screen
<F7>	Discard changes
<F9>	To load optimal default values for all the settings
<F10>	To save changes and exit the UEFI SETUP UTILITY
<F12>	Print screen
<ESC>	To jump to the Exit Screen or exit the current screen

5.2 Main Screen

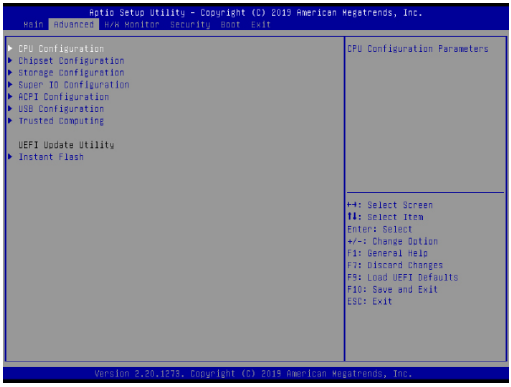
When you enter the UEFI SETUP UTILITY, the Main screen will appear and display the system overview.



English

5.3 Advanced Screen

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

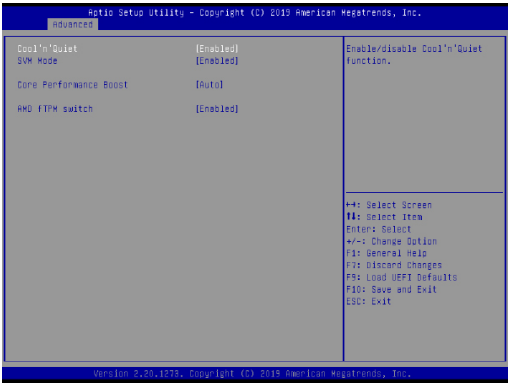


Setting wrong values in this section may cause the system to malfunction.

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, then you can update your UEFI only in 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.

5.3.1 CPU Configuration



Cool 'n' Quiet

Use this item to enable or disable AMD's Cool 'n' QuietTM technology. The default value is [Enabled]. Configuration options: [Enabled] and [Disabled]. If you install Windows® OS and want to enable this function, please set this item to [Enabled]. Please note that enabling this function may reduce CPU voltage and memory frequency, and lead to system stability or compatibility issue with some memory modules or power supplies. Please set this item to [Disable] if above issue occurs.

SVM Mode

When this is set to [Enabled], a VMM (Virtual Machine Architecture) can utilize the additional hardware capabilities provided by AMD-V. The default value is [Enabled]. Configuration options: [Enabled] and [Disabled].

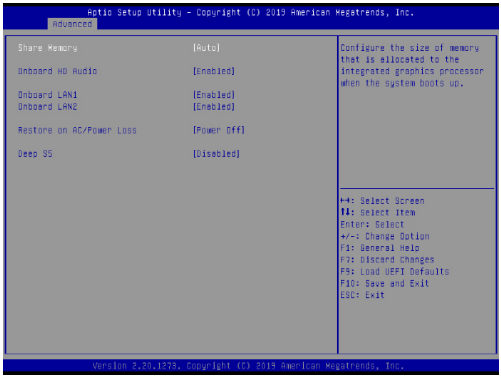
Core Performance Boost

The default value is [Auto].

AMD fTPM Switch

Use this to enable or disable AMD CPU fTPM.

5.3.2 Chipset Configuration



Share Memory

Configure the size of memory that is allocated to the integrated graphics processor when the system boots up.

Onboard HD Audio

Select [Enabled] or [Disabled] for the onboard HD Audio feature.

Onboard LAN 1

This allows you to enable or disable the Onboard LAN 1.

Onboard LAN 2

This allows you to enable or disable the Onboard LAN 2.

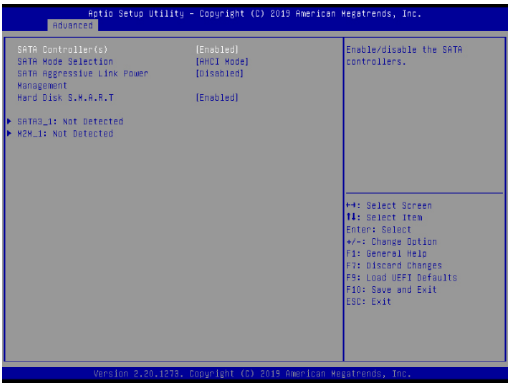
Restore on AC/Power Loss

Select the power state after a power failure. If [Power Off] is selected, the power will remain off when the power recovers. If [Power On] is selected, the system will start to boot up when the power recovers.

Deep S5

[Auto] will disable the deep S5 configuration if RTC/LAN/USB device power on settings are enabled. The default value is [Disabled].

5.3.3 Storage Configuration



SATA Controller(s)

Use this item to enable or disable the SATA Controller feature.

SATA Mode Selection

Use this to select SATA mode. The default value is [AHCI Mode].

AHCI (Advanced Host Controller Interface) supports NCQ and other new features that will improve SATA disk performance but IDE mode does not have these advantages.

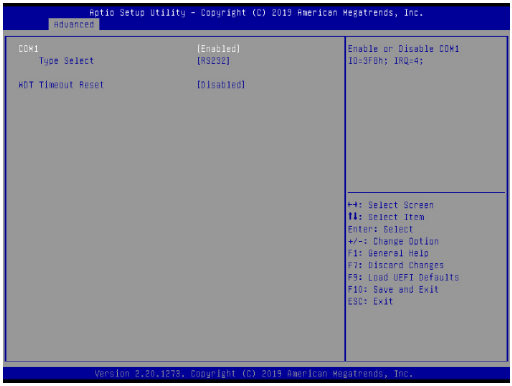
SATA Aggressive Link Power Management

Use this item to configure SATA Aggressive Link Power Management.

Hard Disk S.M.A.R.T.

Use this item to enable or disable the S.M.A.R.T. (Self-Monitoring, Analysis, and Reporting Technology) feature. Configuration options: [Disabled] and [Enabled].

5.3.4 Super IO Configuration



COM1 Configuration

Use this to set parameters of COM1.

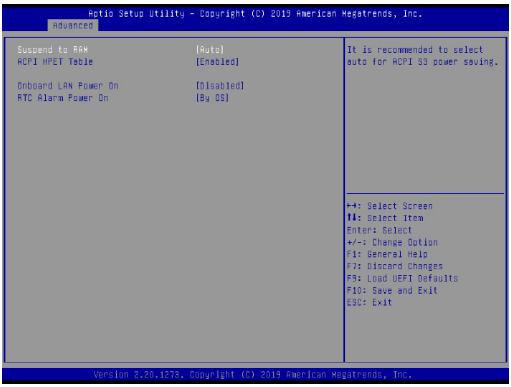
Type Select

Use this to select COM3 port type: [RS232], [RS422] or [RS485].

WDT Timeout Reset

Use this to set the Watch Dog Timer.

5.3.5 ACPI Configuration



Suspend to RAM

Use this item to select whether to auto-detect or disable the Suspend-to-RAM feature. Select [Auto] will enable this feature if the OS supports it.

ACPI HPET Table

Enable the High Precision Event Timer for better performance.

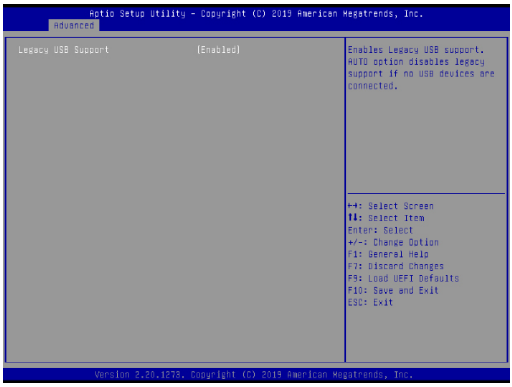
Onboard LAN Power On

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

RTC Alarm Power On

Use this item to enable or disable RTC (Real Time Clock) to power on the system.

5.3.6 USB Configuration



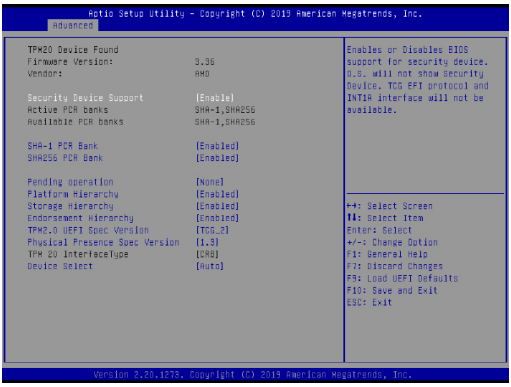
Legacy USB Support

Use this option to select legacy support for USB devices. There are two configuration options: [Enabled] and [UEFI Setup Only]. The default value is [Enabled]. Please refer to below descriptions for the details of these two options:

[Enabled] - Enables support for legacy USB.

[UEFI Setup Only] - USB devices are allowed to use only under UEFI setup and Windows / Linux OS.

5.3.7 Trusted Computing

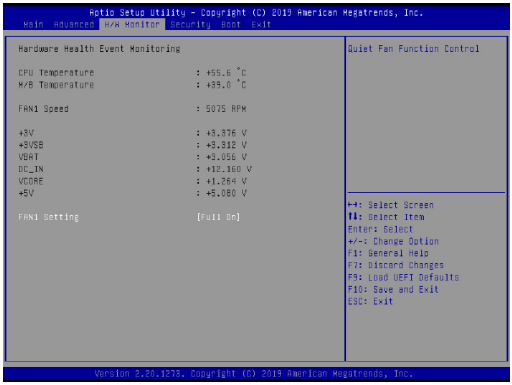


Security Device Support

Enable or disable BIOS support for security device.

5.4 Hardware Health Event Monitoring Screen

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

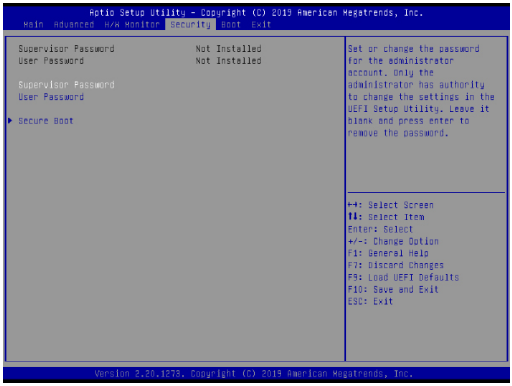


Fan 1 Setting

This allows you to set fan 1's speed. Configuration options: [Full On] and [Automatic Mode]. The default value is [Automatic Mode].

5.5 Security Screen

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



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

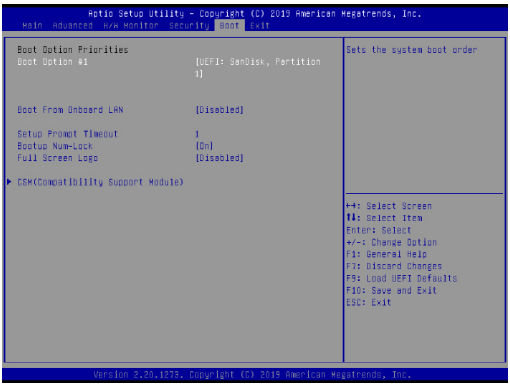
Set or change the password for the user account. Users are unable to change the settings in the UEFI Setup Utility. Leave it blank and press enter to remove the password.

Secure Boot

Enable to support Windows 8.1 / 8 Secure Boot.

5.6 Boot Screen

In this section, it will display the available devices on your system for you to configure the boot settings and the boot priority.



Boot From Onboard LAN

Use this item to enable or disable the Boot From Onboard LAN feature.

Setup Prompt Timeout

This shows the number of seconds to wait for setup activation key. 65535(0XFFFF) means indefinite waiting.

Bootup Num-Lock

If this item is set to [On], it will automatically activate the Numeric Lock function after boot-up.

Full Screen Logo

Use this item to enable or disable OEM Logo. The default value is [Enabled].

English

CSM (Compatibility Support Module)

CSM

Enable to launch the Compatibility Support Module. Please do not disable unless you're running a WHCK test. If you are using Windows 8.1 64-bit and all of your devices support UEFI, you may also disable CSM for faster boot speed.

Launch PXE OpROM Policy

Select UEFI only to run those that support UEFI option ROM only. Select Legacy only to run those that support legacy option ROM only. Select Do not launch to not execute both legacy and UEFI option ROM.

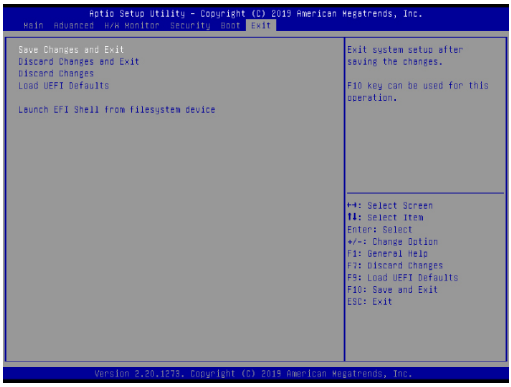
Launch Storage OpROM Policy

Select UEFI only to run those that support UEFI option ROM only. Select Legacy only to run those that support legacy option ROM only. Select Do not launch to not execute both legacy and UEFI option ROM.

Launch Video OpROM Policy

Select UEFI only to run those that support UEFI option ROM only. Select Legacy only to run those that support legacy option ROM only. Select Do not launch to not execute both legacy and UEFI option ROM.

5.7 Exit Screen



Save Changes and Exit

When you select this option, it will pop-out the following message, “Save configuration changes and exit setup?” Select [OK] to save the changes and exit the UEFI SETUP UTILITY.

Discard Changes and Exit

When you select this option, it will pop-out the following message, “Discard changes and exit setup?” Select [OK] to exit the UEFI SETUP UTILITY without saving any changes.

Discard Changes

When you select this option, it will pop-out the following message, “Discard changes?” Select [OK] to discard all changes.

Load UEFI Defaults

Load UEFI default values for all the setup questions. F9 key can be used for this operation.

Launch EFI Shell from filesystem device

Attempts to Launch EFI Shell application (Shell64.efi) from one of the available filesystem devices.

Chapter 6 Software Support

6.1 Install Operating System

This motherboard supports various Microsoft® Windows® operating systems: 10 64-bit. Because motherboard settings and hardware options vary, use the setup procedures in this chapter for general reference only. Refer your OS documentation for more information.

6.2 Support CD Information

The Support CD that came with the motherboard contains necessary drivers and useful utilities that enhance the motherboard's features.

6.2.1 Running The Support CD

To begin using the support CD, insert the CD into your CD-ROM drive. The CD automatically displays the Main Menu if "AUTORUN" is enabled in your computer. If the Main Menu did not appear automatically, locate and double click on the file "ASRSETUP.EXE" from the BIN folder in the Support CD to display the menus.

6.2.2 Drivers Menu

The Drivers Menu shows the available device's drivers if the system detects installed devices. Please install the necessary drivers to activate the devices.

6.2.3 Utilities Menu

The Utilities Menu shows the application software that the motherboard supports. Click on a specific item then follow the installation wizard to install it.

6.2.4 Contact Information

If you need to contact ASRockind or want to know more about ASRockind, you're welcome to visit ASRockind's website at http://www.asrockind.com; or you may contact your dealer for further information.