



iBOX 1100 Series

User Manual

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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (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.

ASRock Incorporation

6F., No.37, Sec. 2, Jhongyang S. Rd., Beitou District,

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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

- iBOX-1100 Series (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 Bracket for M.2 2280 support
- 1 x 19V/90W Power Adapter
- 1 x VESA Mount Bracket & Screw Package
- Support CD
- Quick Installation Guide



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

1.2 Product Specifications

iBOX 1100 Series	Barebone
CPU	iBOX-1185G7E (I7-1185G7E, QC, Max Speed up to 4.4GHz) iBOX-1145G7E (I5-1145G7E, QC, Max Speed up to 4.1GHz) iBOX-1115G4E (I3-1115G4E, DC, Max Speed up to 3.9GHz) iBOX-6305E (Celeron 6305E, DC, 1.8GHz)
OS	N/A
Chipset	SOC
Memory	Supports Dual Channel DDR4 3200 MHz, 2 x 260-pin SO-DIMM, Max. 64GB (32 GB per DIMM)
HDD	M.2 slot Optional
	----- 2.5"HDD Supports 1 x 2.5" SATA HDD*/SSD
LAN	iBOX-1185G7E/ iBOX-1145G7E: LAN1: Intel® I219LM with 10/100/1000 Mbps LAN2: Intel® I225LM with 10/100/1000/2500 Mbps iBOX-1115G4E / iBOX-6305E: LAN1: Intel® I219V with 10/100/1000 Mbps LAN2: Intel® I225LM with 10/100/1000/2500 Mbps
WiFi	Optional
Audio	Realtek ALC233, High Definition Audio
Front I/O	2 x USB 3.2 Gen2 (Type A), 2 x USB 3.2 Gen2 (Type-C, Supports DP1.4 display output), 2 x USB 2.0, 1 x Audio-out with MIC-In * USB4™ Compliance Test is pending for certification

Rear I/O	2 x USB 3.2 Gen2 (Type-A) 1 x COM(RS-232), 1 x HDMI, 1 x DP, 2 x LAN (1 x 1 Gigabit LAN, 1 x 2.5 Gigabit LAN), DC-IN, 1 x Kensington lock
Power Unit	19V/90W Adapter
Dimension	110.mm (W)x 117.5mm (D) x 47.85mm (H)
VESA	Bracket included , supports 75 x 75 and 100 x 100 mm
Volume (Liters)	0.6L
Operating Temperature	0°C~40°C

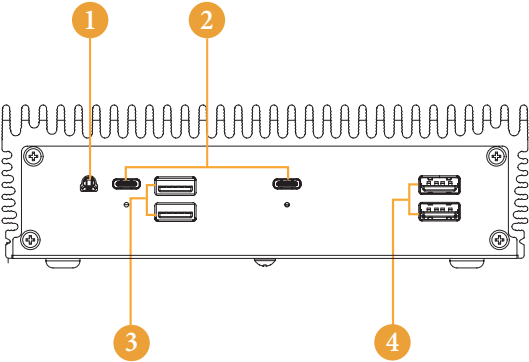
** For iBOX 1100 Series, it is not recommended to install 2.5" HDD. If you install the 2.5" HDD, please keep the iBOX 1100 Series in a vertical position to ensure better cooling performance.*

1.3 Block Diagram

Chapter 2 Product Overview

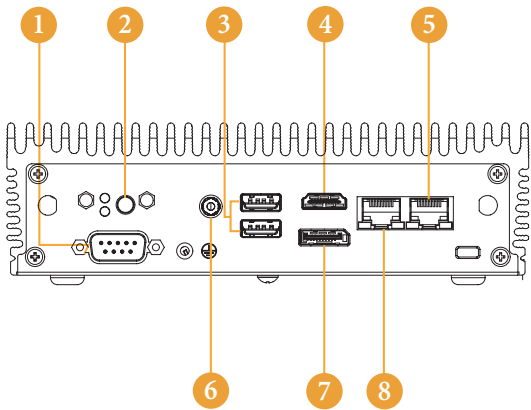
This chapter provides diagrams showing the location of important components of the iBOX 1100 Series.

2.1 Front View



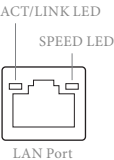
No.	Description
1	Audio(Mic-in, Line-out)
2	2 x USB 3.2 Gen2 Ports (Type C, supports DP1.2a display output)
3	USB 3.2 Gen2 (Type A)
4	USB 2.0 (Type A)

2.2 Rear View



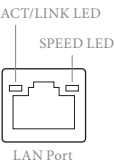
No.	Description
1	COM Port
2	Power Button
3	2 x USB 3.2 Gen2 (Type A)
4	HDMI
5	RJ-45 (2.5G LAN)**
6	DC-IN
7	DisplayPort
8	RJ-45 (1G LAN)*

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



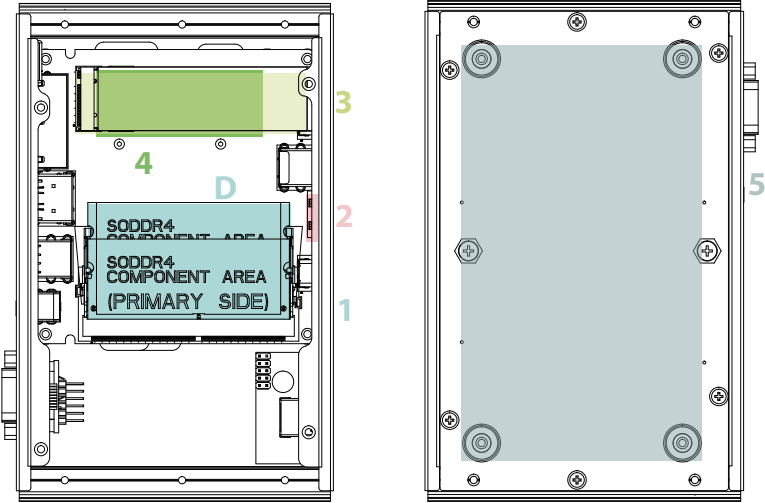
Activity / Link LED		Speed LED	
Status	Description	Status	Description
Off	No Link	Off	10Mbps connection
Blinking	Data Activity	Orange	100Mbps connection
On	Link	Green	1Gbps connection

* 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/1Gbps connection
On	Link	Green	2.5Gbps connection

2.3 Inside View



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



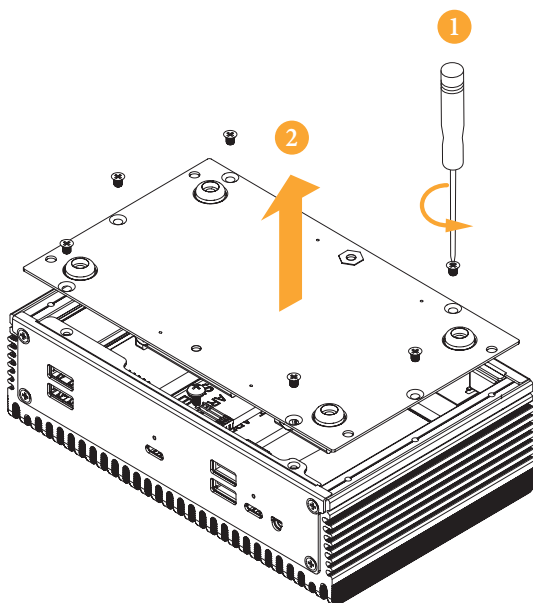
SO-DIMM memory, hard drive and mSATA SSD are not included with this system.

Chapter 3 Hardware Installation

This chapter helps you install or remove important components.

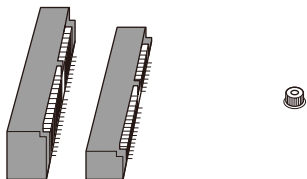
3.1 How to Remove the Bottom Case

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

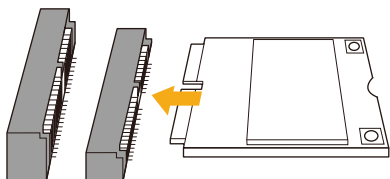


3.2 How to Install the WiFi Module

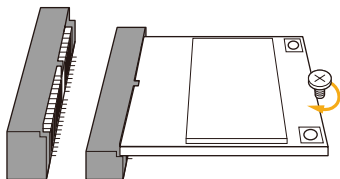
1. Locate the WiFi Module slot on the motherboard.



2. Carefully insert the WiFi Module into the slot.

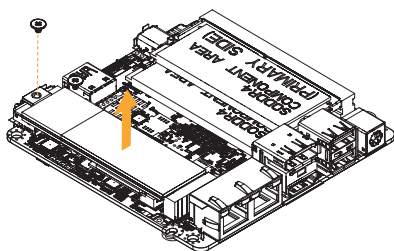


3. Tighten the screw to secure the WiFi Module to the motherboard.

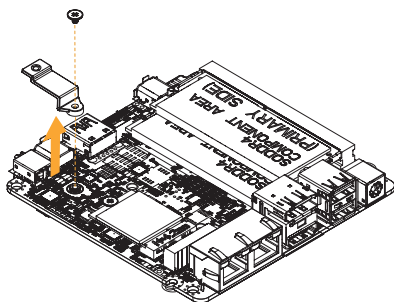


3.3 How to Remove the M.2 SSD and the Bracket

1. Release the screw and carefully remove the M.2 SSD.

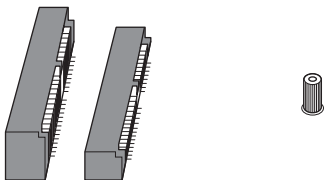


2. Release the screw and remove the bracket from the motherboard.

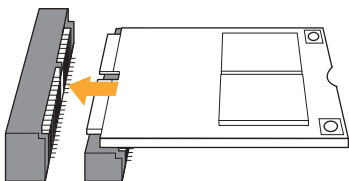


3.4 How to Install the M.2 SSD

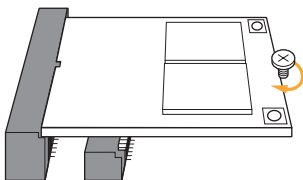
1. Locate the M.2 slot on the motherboard.



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

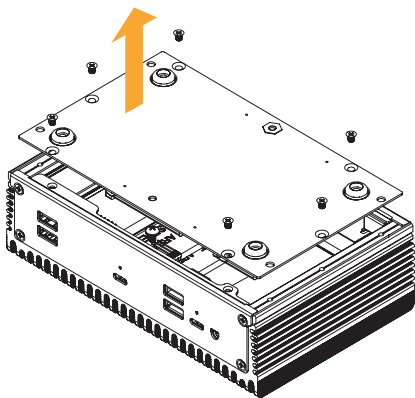


3. Tighten the screw to secure the M.2 SSD to the motherboard.

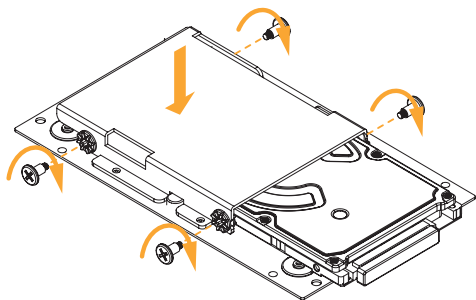


3.5 How to Install the 2.5-inch Hard Drive

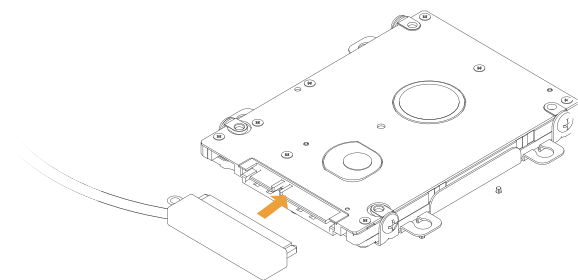
1. Remove the four screws on the bottom case. Then lift up and remove the bottom panel.



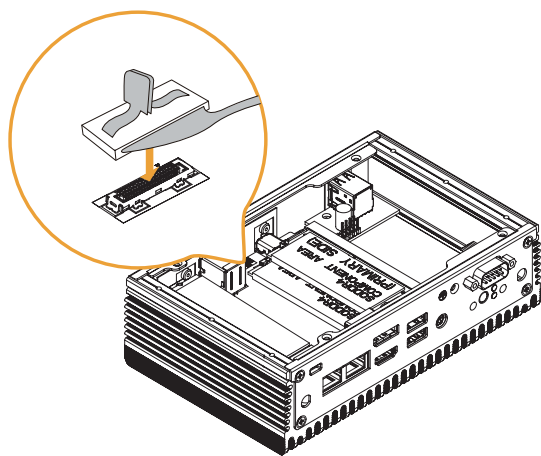
2. Attach the HDD cage to the bottom panel and secure it using the four screws. Then connect the SATA cable to the HDD.



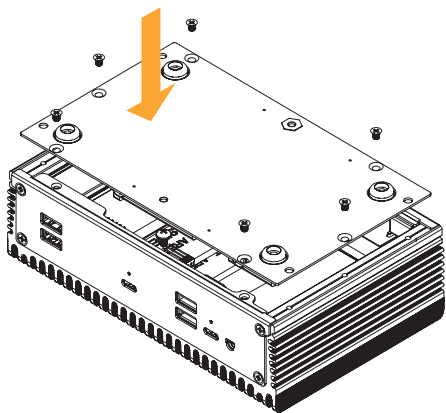
3. Connect the SATA Data and Power Cable to the HDD.



4. Connect the SATA Cable to the connector.



5. Then reinstall the bottom panel.



3.6 How to Install the Memory Modules (DDR4)

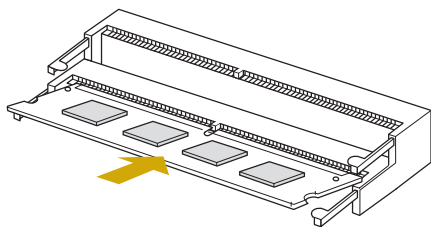


1. The iBOX 1100 Series requires DDR4 SO-DIMM.
2. For dual channel configuration, you always need to install identical (the same brand, speed, size and chip-type) DDR4 SO-DIMM pairs.

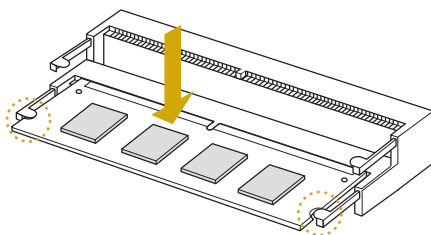


The SO-DIMM only fits in one correct orientation. It will cause permanent damage to the motherboard and the DIMM if you force the DIMM into the slot at incorrect orientation.

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

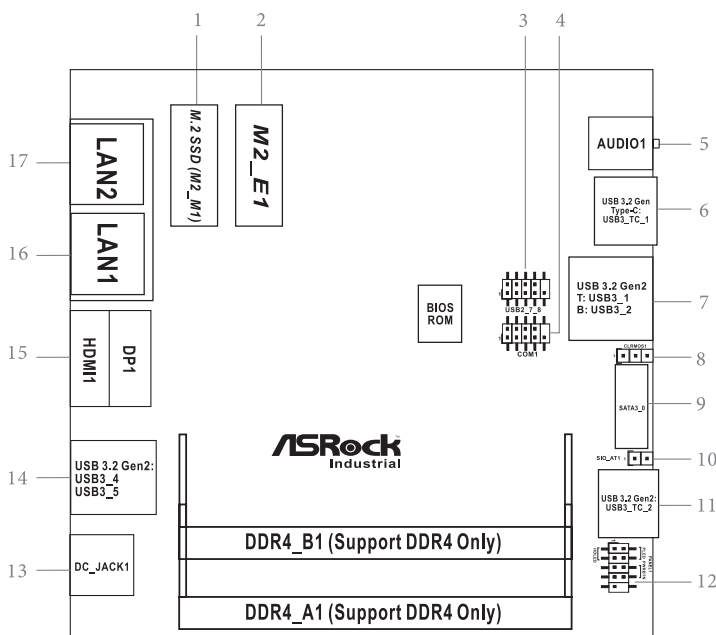


2. Push down until the modules snap into place.



Chapter 4 Motherboard

4.1 Motherboard Layout



- 1 : M.2 Key-M Socket (M2_M1)
- 2 : M.2 Key-E Socket (M2_E1)
- 3 : USB2.0 Connector (USB2_7_8)
- 4 : COM Port Header (RS232)
- 5 : Clear CMOS Header (CLRCMOS1)
- 6 : SATA3 Port (SATA3_0)
- 7 : SIO_AT1
- 8 : System Panel Header (PANEL1)

Back Side :

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

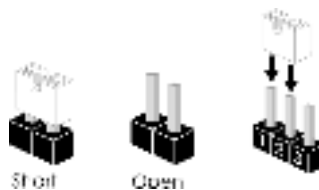
4.2 Motherboard Specifications

Form Factor	Dimensions	NUC 4.09" x 4.02" (104 x 102mm)
Processor System	CPU	Intel® 11th Gen (Tiger Lake-UP3) Core™ Processors I7-1185G7E QC, Max Speed up to 4.4GHz
	Chipset	MCP
	BIOS	AMI SPI 256 Mbit
Graphics	Controller	Intel® Iris® X® Graphics
	HDMI	HDMI 2.0a Max resolution up to 4096x2160@60Hz
	DisplayPort	DisplayPort 1.4, DP++ Max resolution up to 4096x2160@60Hz
	Multi Display	Max 4 display (Included 2 outputs from Type-C)
Expansion Slot	M.2	1 x M.2 (Key E, 2230) with PCIe x1, USB 2.0 and CNVi for Wireless
Audio	Interface	Realtek ALC233, High Definition Audio
Ethernet	Controller/Speed	NUC-1185G7E/NUC-1145G7E: LAN1: Intel® I219LM with 10/100/1000 Mbps LAN2: Intel® I225LM with 10/100/1000/2500 Mbps NUC-1115G4E/NUC-1165G7/NUC-1135G7/ NUC-1115G4/NUC-6305E: LAN1: Intel® I219V with 10/100/1000 Mbps LAN2: Intel® I225LM with 10/100/1000/2500 Mbps
	Controller	2 x RJ-45
Front I/O	USB	2 x USB 3.2 Gen2 (Type-A) 2 x USB 3.2 Gen2 (Type-C, Supports DP1.4 display output) * USB4™ Compliance Test is pending for certification
	Audio	1 (headphone & microphone jack)
Rear I/O	HDMI	1 x HDMI 2.0a
	DisplayPort	1 x DP 1.4
	Ethernet	1 x 1 Gigabit LAN, 1 x 2.5 Gigabit LAN
	USB	2 x USB 3.2 Gen2 (Type A)
	DC Jack	1

Internal Connector	USB	2 x USB 2.0 (1 x 2.00 pitch header)
	COM	1 x COM(RS-232)
	TPM	N/A, support onboard TPM
Storage	M.2	1 x M.2 (KEY M, 2242/2260/2280) with PCIe Gen4 x4 and SATA3 for SSD *M.2 Key M 2280(Supported by bracket)
	SATA	1 x SATA3.0 (6.0 Gb/s)
Watchdog Timer	Output	From Super I/O to drag RESETCON#
	Interval	256 Segments, 0, 1, 2, ...255sec
Power Requirements	Input PWR	12V~19V DC-In Jack
		AT/ATX Supported
	Power On	AT: Directly PWR on as power input ready ATX: Press button to PWR on after power input ready
Environment	Operating Temp	0°C ~ 60°C
	Storage Temp	-40°C ~ 85°C
	Operating Humidity	5% ~ 90%
	Storage Humidity	5% ~ 90%

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 CLRCMOS1)

(see p.17, No. 5)



1-2: Auto Clear CMOS

2-3: Clear CMOS

Note: CLRCMOS1 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 CLRCMOS1 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.

CLRCMOS1 allows you to clear the data in CMOS automatically when AC power on. The data in CMOS includes system setup information such as system password, date, time, and system setup parameters. To clear and reset the system parameters to default setup, please turn off the computer and unplug the power cord, then use a jumper cap to short the pins on CLRCMOS1.

SIO_AT1

(2-pin SIO_AT1)

(see p.17, No. 7)



Open: ATX Mode

Short: AT Mode

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

(SATA_0: see p.17, No. 6)

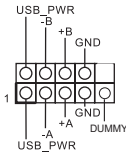


This Serial ATA3 (SATA3) connector supports SATA data cables for internal storage devices. The current SATA3 interface allows up to 6.0 Gb/s data transfer rate.

USB 2.0 Connector

(9-pin USB2_7_8)

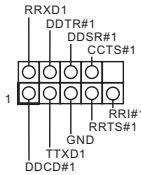
(see p.17 No. 3)



There is one USB 2.0 connector on this motherboard.

COM Port Header (RS232)

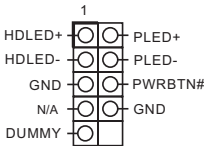
(9-pin COM1: see p.17, No. 4)



System Panel Header

(9-pin PANEL1)

(see p.17, No. 8)



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.

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 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.

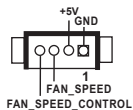
The front panel design may differ by chassis. A front panel module mainly consists of power switch, reset switch, power LED, hard drive activity LED, speaker and etc. When connecting your chassis front panel module to this header, make sure the wire assignments and the pin assignments are matched correctly.

Back Side:

Power Button Header
(PWR_BTN1)



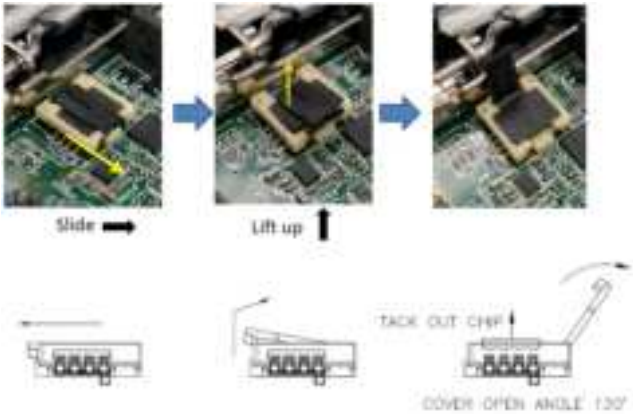
Fan Connector
(FAN1)



Battery Connector
(BAT1)

ESPI Connector
(ESPI1)

4.5 Installation of ROM Socket



- * Do not apply force to the actuator cover after ic inserted.
- * Do not apply force to actuator cover when it is opening over 120 degree, Otherwise, the actuator cover may be broken.



- * The yellow dot (Pin1) on the ROM must be installed at pin1 position of the socket.
 - * Make sure the white dot on the ROM is installed outwards of the socket.
 - * For further details of how to install ROM, please refer to ASRI website.
- Warning: If the installation does not follow as the picture, then it may cause severe damage to chipset & MB.**

4.6 Expansion Slots (M.2 Slots)

There are 2 M.2 slots on this motherboard.

M.2 for SSD: 1 x M.2 (KEY M, 2242/2260/2280) with PCIe Gen4 x4 and SATA3 for SSD.

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

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

M.2 Key-M Socket (M2_M1)

1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
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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 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.

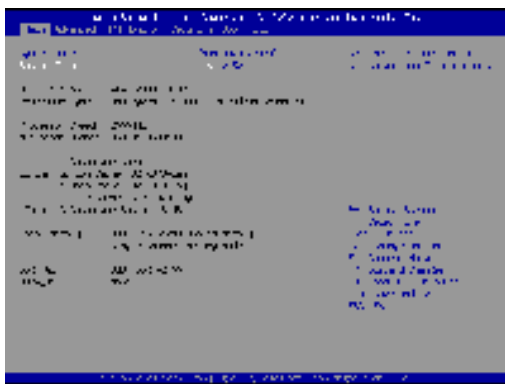
5.1.2 Navigation Keys

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.



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, Trusted Computing, MCTP Configuration and Serial Port Console Redirection.



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

DASH Support

Enable or disable Realtek Lan DASH Function.

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' Quiet™ 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.

Core Performance Boost

Core Performance Boost controls whether the processor transitions to a higher frequency than the processor's rated speed if the processor has available power and is within temperature specifications. The default value is [Enabled].

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].

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.

Verb Table Select

The default value is [Combo Jack].

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.

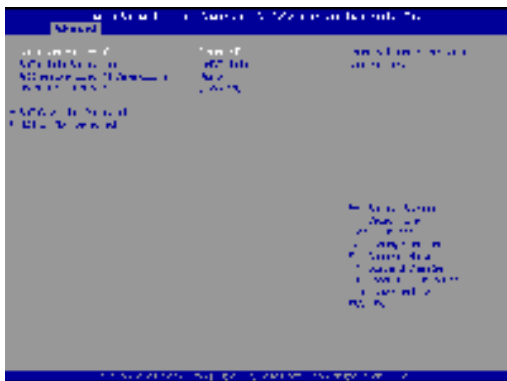
Restore on AC/Power Loss

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.

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 COM1 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.

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.

5.4 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.

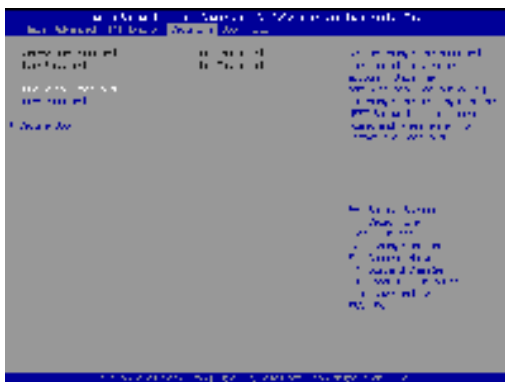


CPU_FAN1 Setting

This allows you to set CPU_FAN1's speed. Configuration options: [Full On], [Manual] 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

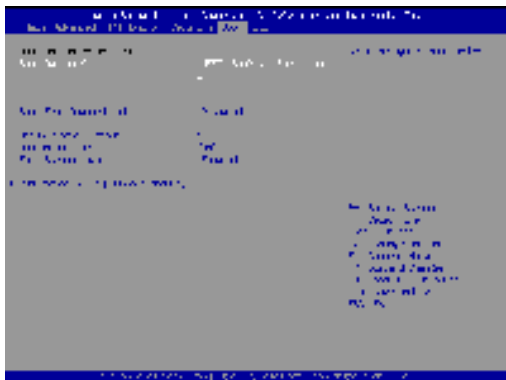
Set or change the password for the user account. Users are unable to change the settings in the UEFI Setup Utility. Leave it blank and press enter to remove the password.

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].

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.

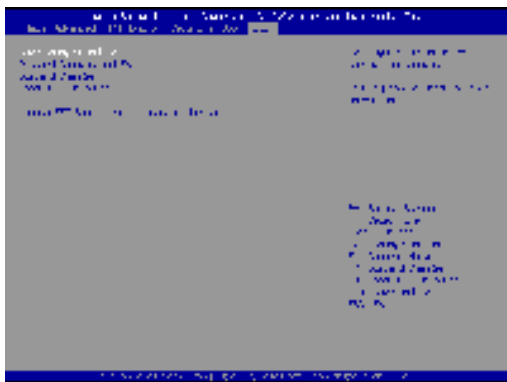
Launch Storage OpROM Policy

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 ASRock or want to know more about ASRock, you're welcome to visit ASRock's website at <http://www.asrock.com>; or you may contact your dealer for further information.