



# **PRIME B350M-A**

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# Safety information Electrical safety

- To prevent electrical shock hazard, disconnect the power cable from the electrical outlet before relocating the system.
- When adding or removing devices to or from the system, ensure that the power cables for the devices are unplugged before the signal cables are connected. If possible, disconnect all power cables from the existing system before you add a device.
- Before connecting or removing signal cables from the motherboard, ensure that all power cables are unplugged.
- Seek professional assistance before using an adapter or extension cord. These devices could interrupt the grounding circuit.
- Ensure that your power supply is set to the correct voltage in your area. If you are not sure about the voltage of the electrical outlet you are using, contact your local power company.
- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.

### **Operation safety**

- Before installing the motherboard and adding components, carefully read all the manuals that came with the package.
- Before using the product, ensure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately.
- To avoid short circuits, keep paper clips, screws, and staples away from connectors, slots, sockets and circuitry.
- Avoid dust, humidity, and temperature extremes. Do not place the product in any area where it may be exposed to moisture.
- Place the product on a stable surface.
- If you encounter technical problems with the product, contact a qualified service technician or your retailer.

### About this guide

This user guide contains the information you need when installing and configuring the motherboard.

### How this guide is organized

This guide contains the following parts:

Chapter 1: Product introduction

This chapter describes the features of the motherboard and the new technology it supports. It includes descriptions of the switches, jumpers, and connectors on the motherboard.

#### Chapter 2: BIOS information

This chapter discusses changing system settings through the BIOS Setup menus.

### Where to find more information

Refer to the following sources for additional information and for product and software updates.

1. ASUS websites

The ASUS website provides updated information on ASUS hardware and software products. Refer to the ASUS contact information.

#### 2. Optional documentation

Your product package may include optional documentation, such as warranty flyers, that may have been added by your dealer. These documents are not part of the standard package.

### Conventions used in this guide

To ensure that you perform certain tasks properly, take note of the following symbols used throughout this manual.



DANGER/WARNING: Information to prevent injury to yourself when completing a task.



CAUTION: Information to prevent damage to the components when completing a task



IMPORTANT: Instructions that you MUST follow to complete a task.



NOTE: Tips and additional information to help you complete a task.

### Typography

Bold text	Indicates a menu or an item to select.
Italics	Used to emphasize a word or a phrase.
<key></key>	Keys enclosed in the less-than and greater-than sign means that you must press the enclosed key.
	Example: <enter> means that you must press the Enter or Return key.</enter>
<key1> + <key2> + <key3></key3></key2></key1>	If you must press two or more keys simultaneously, the key names are linked with a plus sign (+).

### Package contents

Check your motherboard package for the following items.

Motherboard	ASUS PRIME B350M-A motherboard
Cables	2 x Serial ATA 6.0 Gb/s cables
A	1 x I/O shield
Accessories	1 x M.2 screw package
Application DVD	1 x Support DVD
Documentation	1 x User Manual



If any of the above items is damaged or missing, contact your retailer.

### **PRIME B350M-A specifications summary**

	AMA as shet for AMD Duran TM / 74b Occurrentian A series / Athles TM successor
	AM4 socket for AMD Ryzen™ / 7th Generation A-series / Athlon™ processors
CPU	Supports CPU up to 8 cores*
	* Due to CPU limitation, CPU cores supported vary by processor.
	** Refer to www.asus.com for AMD CPU support list.
Chipset	AMD B350 chipset
	AMD Ryzen™ processors:
	4 x DIMMs, max. 64GB, DDR4 2666/2400/2133 MHz, ECC and non-ECC, un- buffered memory
Memory	AMD 7th Generation A-series / AthIon™ processors:
	4 x DIMMs, max. 64GB, DDR4 2400/2133 MHz, non-ECC un-buffered memory
	Dual-channel memory architecture
	* Refer to <u>www.asus.com</u> for the latest Memory QVL (Qualified Vendors List).
	Integrated AMD Radeon™ R Series Graphics in the 7th Generation A-series processor
	Multi-VGA output support: HDMI, DVI-D and D-Sub ports
Graphics	<ul> <li>Supports HDMI 1.4b with maximum resolution of 4096 x 2160 @24Hz / 2560 x 1600 @60Hz</li> </ul>
	- Supports DVI-D with maximum resolution of 1920 x 1200 @60Hz
	- Supports D-Sub with maximum resolution of 1920 x 1200 @60Hz
	- Maximum shared memory of 2048 MB
	AMD Ryzen <sup>™</sup> processors:
	1 x PCI Express 3.0/2.0 x16 slot (max. @x16 mode)
Expansion	AMD 7th Generation A-series / AthIon™ processors:
slots	1 x PCI Express 3.0/2.0 x16 slot (max. @x8 mode)
	AMD B350 Chipset:
	2 x PCI Express 2.0 x1 slots
	AMD B350 Chipset:

(continued on the next page)

# PRIME B350M-A specifications summary

	6 x Serial ATA 6.0 Gb/s connectors with RAID 0, RAID 1 and RAID 10 support
	AMD Ryzen <sup>™</sup> processors: - 1 x M.2 socket 3 with M Key, Type 2242/2260/2280/22110 (PCIe 3.0 x4 and SATA modes) storage devices support*
Storage	* When a SATA / PCIe mode M.2 device is installed, the M.2 socket shares bandwidth with the SATA6G_5/6 ports.
	AMD 7th Generation A-series / Athlon™ processors:
	- 1 x M.2 socket 3 with M Key, Type 2242/2260/2280/22110 (PCIE 3.0 x2 and
	SATA modes) storage devices support*
	* When a SATA mode M.2 device is installed, the M.2 socket shares bandwidth with the SATA6G_5/6 ports.
LAN	Realtek® 8111H Gigabit LAN controller
A	Realtek® ALC 887-VD2 8-Channel High Definition Audio CODEC
Audio	* Use a chassis with HD audio module in the front panel to support an 8-channel audio output.
	ASMedia USB 3.1 controllers:
	<ul> <li>2 x USB 3.1 ports (2 ports at back)</li> </ul>
	AMD Ryzen <sup>™</sup> / 7th Generation A-series / Athlon <sup>™</sup> processors
USB	<ul> <li>4 x USB 3.0 ports (4 ports at back panel)</li> </ul>
	AMD B350 Chipset:
	- 2 x USB 3.0/2.0 ports ( 2 ports at mid-board)
	- 4 x USB 2.0/1.1 ports ( 4 ports at mid-board)
	Dependable Stability
	ASUS 5X PROTECTION III
	<ul> <li>ASUS SafeSlot Core: Fortified PCIe Slot prevents damage</li> <li>ASUS LANGuard: Protects against LAN surges, lightning strikes and static-</li> </ul>
	electricity discharges!
	- ASUS Overvoltage Protection: World-class circuit-protecting power design
	- ASUS Stainless-Steel Back I/O: 3X corrosion-resistance for greater durability!
	<ul> <li>ASUS DIGI+ VRM: 6 Phase digital power design</li> </ul>
	Superb performance
	UEFI BIOS
ASUS unique features	<ul> <li>Most advanced options with fast response time</li> </ul>
	Easy PC DIY
	Safe motherboard mounting
	Component-free areas to minimize damage risk
	<b>Q-Design</b> - ASUS Q-DIMM
	- ASUS Q-Slot
	UEFI BIOS EZ Mode
	- featuring friendly graphics user interface
	- ASUS CrashFree BIOS 3
	- ASUS EZ Flash 3

(continued on the next page)

### PRIME B350M-A specifications summary

ASUS Quiet Thermal Solution       Quiet Thermal Design: - Stylish Fanless Design: Chipset Heat-sink solution - ASUS Fan Xpert         Rear panel I/O ports       1 x PS/2 keyboard (purple) 1 x PS/2 mouse port (green) 1 x HDMI port 1 x DVI-D port 1 x D-Sub port 2 x USB 3.1 ports 4 x USB 3.0/2.0 ports 3 x Audio jacks support 8-channel audio output         I x USB 3.0/2.0 ports 3 x Audio jacks support 8-channel audio output         1 x USB 3.0 connector support additional 2 USB 3.0 ports 2 x USB 2.0/1.1 connectors support additional 4 USB 2.0/1.1 ports 1 x M.2 socket 3 for M Key and type 2242/2260/2280/22110 devices (both 5 & PCIE mode) 6 x SATA 6.0Gb/s connector 1 x CPU Fan Connector 1 x Speaker connector 1 x 3-pin ATX 12V power connector 1 x System panel connector	
Solution       - ASUS Fan Xpert         1 x PS/2 keyboard (purple)       1 x PS/2 keyboard (purple)         1 x HDMI port       1 x DVI-D port         1 x DVI-D port       1 x DVI-D port         1 x LAN (RJ-45) port       2 x USB 3.1 ports         4 x USB 3.0/2.0 ports       3 x Audio jacks support 8-channel audio output         1 x USB 3.0/2.0 ports       3 x Audio jacks support 8-channel audio output         1 x USB 3.0/2.0 ports       3 x Audio jacks support 8-channel audio output         1 x USB 3.0 connector support additional 2 USB 3.0 ports       2 x USB 2.0/1.1 connectors support additional 4 USB 2.0/1.1 ports         1 x M.2 socket 3 for M Key and type 2242/2260/2280/22110 devices (both \$ & PCIE mode)       6 x SATA 6.0Gb/s connectors         1 x CPU Fan connector       1 x Chassis Fan connector         1 x CPU Fan connector       1 x Chassis Fan connector         1 x Chassis Fan connector       1 x Chassis Fan connector         1 x Chassis Fan connector       1 x Chassis Fan connector         1 x Sepin ATX 12V power connector       1 x 2.4-pin EATX power connector         1 x Speaker connector       1 x Speaker connector         1 x System panel connector       1 x System panel connector	
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Rear panel I/O       1 x PS/2 mouse port (green)         1 x HDMI port       1 x DVI-D port         1 x DVI-D port       1 x DVI-D port         1 x LAN (RJ-45) port       2 x USB 3.1 ports         2 x USB 3.0/2.0 ports       3 x Audio jacks support 8-channel audio output         1 x USB 3.0 connector support additional 2 USB 3.0 ports       2 x USB 2.0/1.1 connectors support additional 4 USB 2.0/1.1 ports         1 x M.2 socket 3 for M Key and type 2242/2260/2280/22110 devices (both 4 & PCIE mode)       6 x SATA 6.0Gb/s connectors         6 x SATA 6.0Gb/s connector       1 x CPU Fan connector         1 x CPU Fan connector       1 x CPU Fan connector         1 x Chassis Fan connector (Support DC & PWM mode)       1 x Front panel audio connector         1 x 24-pin EATX power connector       1 x 24-pin EATX power connector         1 x 8-pin ATX 12V power connector       1 x Speaker connector         1 x System panel connector       1 x System panel connector	
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Internal connectors       4 x USB 3.0/2.0 ports         3 x Audio jacks support 8-channel audio output         1 x USB 3.0 connector support additional 2 USB 3.0 ports         2 x USB 2.0/1.1 connectors support additional 4 USB 2.0/1.1 ports         1 x M.2 socket 3 for M Key and type 2242/2260/2280/22110 devices (both 3 & PCIE mode)         6 x SATA 6.0Gb/s connectors         1 x COM connector         1 x CPU Fan connector         1 x CPU Fan connector         1 x Chassis Fan connector         1 x Chassis Fan connector         1 x 24-pin EATX power connector         1 x 8-pin ATX 12V power connector         1 x S/PDIF out connector         1 x Speaker connector         1 x System panel connector	
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Internal connectors       1 x COM connector         1 x CPU Fan connector       1 x CPU Fan connector         1 x Fan RGB header       1 x Chassis Fan connector (Support DC & PWM mode)         1 x Front panel audio connector       1 x 24-pin EATX power connector         1 x 8-pin ATX 12V power connector       1 x 2-pin Clear CMOS header         1 x S/PDIF out connector       1 x Speaker connector         1 x System panel connector       1 x System panel connector	SATA
Internal connectors       1 x CPU Fan connector         1 x Fan RGB header       1 x Chassis Fan connector (Support DC & PWM mode)         1 x Chassis Fan connector (Support DC & PWM mode)       1 x Front panel audio connector         1 x 24-pin EATX power connector       1 x 8-pin ATX 12V power connector         1 x 2-pin Clear CMOS header       1 x S/PDIF out connector         1 x Speaker connector       1 x System panel connector	
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1 x 8-pin ATX 12V power connector 1 x 2-pin Clear CMOS header 1 x S/PDIF out connector 1 x Speaker connector 1 x System panel connector	
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1 x S/PDIF out connector 1 x Speaker connector 1 x System panel connector	
1 x Speaker connector 1 x System panel connector	
1 x System panel connector	
128 Mb Flash ROM, UEFLAMI BIOS, PnP, DMI3.0, WfM2.0, SM BIOS.3.0	
BIOS features ACPI 6.1, Multi-language BIOS, ASUS EZ Flash 3, ASUS CrashFree BIO My Favorites, Last Modified log, F12 PrintScreen, ASUS DRAM SPD (Se Presence Detect) memory information, F6 Qfan Control	
Manageability WfM 2.0, DMI 3.0, WOL by PME, PXE	
Drivers	
ASUS utilities	
Support DVD ASUS Update	
Anti-virus software (OEM version)	
OS support Windows <sup>®</sup> 10 (64-bit)	
Form factor uATX form factor: 9.6" x 9.45" (24.4 cm x 24 cm)	



Specifications are subject to change without notice.

# **Product introduction**

### 1.1 Before you proceed

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

- Unplug the power cord from the wall socket before touching any component.
- Before handling components, use a grounded wrist strap or touch a safely grounded object or a metal object, such as the power supply case, to avoid damaging them due to static electricity.
- Before you install or remove any component, ensure that the ATX power supply 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, or components.

#### 24cm(9.45in) 0 KBMS ..... CPULE VGV Ž G<u>e - -</u> DDR4 DIMM\_A1 (64bit, 288-pin module) DDP4 DIMM\_A2 (64bit,288-pin module) nodule) IDM DDP4 DIMM\_B1 (64bit, 288-pin n DDP4 DIMM\_B2 (64bit, 288-pin SOCKET AM4 SB3 50 Place this side towards the rear of the USB3.1 E12 24.4cm(9.6in) chassis CHA F/ ۹Ē. 200 2\_1(SOCKET 0 ö 2242 0 200 Pendie Al 11 Supe I/O /5L5 AMD<sup>a</sup> PCIEX1\_1 B350 PRIME B350M-A PCIEX1\_2 •• ALC 887 61

### 1.2 Motherboard overview



Unplug the power cord before installing or removing the motherboard. Failure to do so can cause you physical injury and damage motherboard components.

### 1.2.1 Layout contents

Con	nectors/Jumpers/Slots/LED	Page
1.	ATX power connectors (24-pin EATXPWR, 8-pin ATX12V)	1-2
2.	CPU and chassis fan connectors (4-pin CPU_FAN, 4-pin CHA_FAN)	1-2
3.	M.2 Socket 3	1-3
4.	AMD AM4 CPU socket	1-3
5.	DDR4 DIMM slots	1-3
6.	AMD B350 SATA 6.0Gb/s ports (SATA6G_1~6)	1-3
7.	Clear RTC RAM (2-pin CLRTC)	1-4
8.	System panel connector (10-1 pin PANEL)	1-4
9.	Speaker connector (4-pin SPEAKER)	1-4
10.	USB 3.0 connector (20-1 pin USB3_12)	1-5
11.	USB 2.0 connectors (10-1 pin USB34,56)	1-5
12.	Serial port connector (10-1 pin COM)	1-5
13.	Front panel audio connector (10-1 pin AAFP)	1-5
14.	Digital audio connector (4-1 pin SPDIF_OUT)	1-6
15.	PCI Express 2.0 x1 slots	1-6
16.	PCI Express x16 slot	1-6
17.	Fan RGB header (4-pin FAN_RGB_HEADER)	1-7

### 1. ATX power connectors (24-pin EATXPWR, 8-pin EATX12V)

These connectors are for ATX power supply plugs. The power supply plugs are designed to fit these connectors in only one orientation. Find the proper orientation and push down firmly until the connectors completely fit.

- We recommend that you use an EATX 12V Specification 2.0-compliant power supply unit (PSU) with a minimum of 300W power rating. This PSU type has 24-pin and 8-pin power plugs.
- DO NOT forget to connect the 4-pin/8-pin ATX +12V power plug. Otherwise, the system will not boot up.
- We recommend that you use a PSU with higher power output when configuring a system with more power-consuming devices or when you intend to install additional devices. The system may become unstable or may not boot up if the power is inadequate.
- If you are uncertain about the minimum power supply requirement for your system, refer to the Recommended Power Supply Wattage Calculator at <u>http://support.asus.com/</u> <u>PowerSupplyCalculator/PSCalculator.aspx?SLanguage=en-us</u> for details.

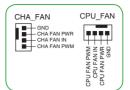


### 2. CPU and chassis fan connectors (4-pin CPU\_FAN, 4-pin CHA\_FAN)

Connect the fan cables to the fan connectors on the motherboard, ensuring that the black wire of each cable matches the ground pin of the connector.

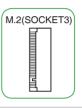


Do not forget to connect the fan cables to the fan connectors. Insufficient air flow inside the system may damage the motherboard components. These are not jumpers! Do not place jumper caps on the fan connectors! The CPU\_FAN connector supports a CPU fan of maximum 1A (12 W) fan power.



#### 3. M.2 socket 3

These sockets allow you to install M.2 (NGFF) SSD modules.





- This socket supports M Key and 2242/2260/2280/22110 storage devices.
- Due to CPU limitation, M.2 socket supported varies by processor. Refer to the specifications summary table for more details.

#### 4. AMD AM4 CPU socket

This motherboard comes with a AMD AM4 socket designed for AMD Ryzen<sup>™</sup> / 7th Generation A-series / Athlon<sup>™</sup> processors.



For more details, refer to Central Processing Unit (CPU).

#### 5. DDR4 DIMM slots

Install 2 GB, 4 GB, 8 GB, and 16 GB unbuffered ECC and non-ECC DDR4 DIMMs into these DIMM sockets.

For more details, refer to System memory.

#### 6. AMD B350 SATA 6.0Gb/s ports (7-pin SATA6G\_1~6)

These ports connect to SATA 6.0 Gb/s hard disk drives via SATA 6.0 Gb/s signal cables.



### 7. Clear RTC RAM (2-pin CLRTC)

This header allows you to clear the Real Time Clock (RTC) RAM in CMOS. You can clear the CMOS memory of date, and system setup parameters by erasing the CMOS RTC RAM data. The onboard button cell battery powers the RAM data in CMOS, which include system setup information such as system passwords.

#### To erase the RTC RAM:

- 1. Turn OFF the computer and unplug the power cord.
- 2. Use a metal object such as a screwdriver to short the two pins.
- 3. Plug the power cord and turn ON the computer.
- Hold down the <Del> key during the boot process and enter BIOS setup to re-enter data.

If the steps above do not help, remove the onboard battery and short the two pins again to clear the CMOS RTC RAM data. After clearing the CMOS, reinstall the battery.

### 8. System panel connector (10-15 pin PANEL)

This connector supports several chassis-mounted functions.

### • System power LED (2-pin PWR\_LED)

This 2-pin connector is for the system power LED. Connect the chassis power LED cable to this connector. The system power LED lights up when you turn on the system power, and blinks when the system is in sleep mode.

### • Hard disk drive activity LED (2-pin HDD\_LED)

This 2-pin connector is for the HDD Activity LED. Connect the HDD Activity LED cable to this connector. The HDD LED lights up or flashes when data is read from or written to the HDD.

### • ATX power button/soft-off button (2-pin PWR\_BTN)

This connector is for the system power button.

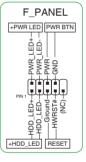
### Reset button (2-pin RESET)

This 2-pin connector is for the chassis-mounted reset button for system reboot without turning off the system power.

### 9. Speaker connector (4-pin SPEAKER)

The 4-pin connector is for the chassis-mounted system warning speaker. SPEAKEI The speaker allows you hear system beeps and warnings.







### ASUS PRIME B350M-A

3

#### 10 USB 2.0 connectors (10-1 pin USB3~6)

These connectors are for USB 2.0 ports. Connect the USB module cable to any of these connector, then install the module to a slot opening at the back of the system chassis. These USB connectors comply with USB 2.0 specifications and supports up to 480Mbps connection speed.

> Never connect a 1394 cable to the USB connectors. Doing so will damage the motherboard!

#### 11. USB 3.0 connector (20-1 pin USB3 12)

This connector allows you to connect a USB 3.0 module for additional USB 3.0 front or rear panel ports. With an installed USB 3.0 module, you can enjoy all the benefits of USB 3.0 including faster data transfer speeds of up to 5Gbps, faster charging time for USB-chargeable devices, optimized power efficiency and backward compatibility with USB 2.0.

#### 12. Serial port connector (10-1 pin COM)

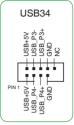
This connector is for a serial (COM) port. Connect the serial port module cable to this connector, then install the module to a slot opening at the back of the system chassis.

#### 13. Front panel audio connector (10-1 pin AAFP)

This connector is for a chassis-mounted front panel audio I/O module that supports either HD Audio or legacy AC`97 audio standard. Connect one end of the front panel audio I/O module cable to this connector.

- We recommend that you connect a high-definition front panel audio module to this connector to avail of the motherboard's high-definition audio capability.
- If you want to connect a high-definition front panel audio module to this connector, set the Front Panel Type item in the BIOS setup to [HD]. If you want to connect an AC'97 front panel audio module to this connector, set the item to [AC97]. By default, this connector is set to [HD].





USB3 12

SSTX-SSTX+ SSRX-

. HIH

SSRX+ GND SSTX-SSTX+ GND P2 D-P2 D-

2,5 2 2

JSB3+5V SSRX-

RETUR RETUR

NC SENSE1 SENSE2

RT1 L -RT1 R -RT2 R -SEND -

pin definition

PORT1 F PORT2 F SE\_SENC PORT2 L

SEN HD-audio-compliant

AGND

PORT1

AAFP

2 2 82 IntA P A TA T

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MICPWR

#### 14. Digital audio connector (4-1 pin SPDIF\_OUT)

This connector is for an additional Sony/Philips Digital Interface (S/ PDIF) port. Connect the S/PDIF Out module cable to this connector, then install the module to a slot opening at the back of the system chassis.



#### 15. PCI Express 2.0 x1 slots

This motherboard has two PCI Express 2.0 x1 slots that support PCI Express x1 network cards, SCSI cards, and other cards that comply with the PCI Express specifications.

#### 16. PCI Express x16 slot

This motherboard supports one PCI Express x16 graphic card that complies with the PCI Express specifications.

### IRQ assignments for this motherboard

#### • For AMD socket AM4 A-series/Athlon™ Series processors

	А	В	С	D	Е	F	G	н
PCIEx16_1	-	-	-	shared	-	-	-	-
PCIEx1_1	shared	-	-	-	-	-	-	-
PCIEx1_2	-	-	-	shared	-	-	-	-
M.2	-	-	-	shared	-	-	-	-
APU USB3.0 XHCI controller	-	-	shared	-	-	-	-	-
AMD Promonotry Chip XHCI controller	shared	-	-	-	-	-	-	-
SATA controller	-	-	-	shared	-	-	-	-
HD audio controller	-	-	-	-	-	-	shared	-
Realtek LAN controller	-	-	shared	_	-	-	_	-
ASMedia Controller	shared	-	-	_	-	-	-	-

#### For Ryzen<sup>™</sup> processors

	Α	В	С	D	Е	F	G	н
PCIEx16_1	-	-	-	-	-	-	shared	-
PCIEx1_1	shared	-	-	-	-	_	-	-
PCIEx1_2	-	-	-	shared	-	-	-	-
M.2	shared	-	-	-	-	-	-	-
APU USB3.0 XHCI controller	-	-	-	-	-	-	-	shared
AMD Promonotry Chip XHCI controller	shared	-	-	-	-	-	-	-
SATA controller	-	shared	-	-	-	-	-	-
HD audio controller	-	-	-	shared	-	-	-	-
Realtek LAN controller	-	-	shared	_	-	-	_	-
ASMedia Controller	shared	-	_	-	-	-	-	-



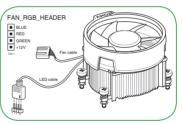
When using PCI cards on shared slots, ensure that the drivers support "Share IRQ" or that the cards do not need IRQ assignments. Otherwise, conflicts will arise between the two PCI groups, making the system unstable and the card inoperable.

#### 17. FAN RGB header (4-pin FAN\_RGB\_HEADER)

This header is for RGB LED strips of a CPU fan.



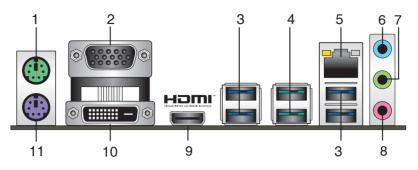
The FAN RGB header supports CPU fans with multi-color LED strips (12V/G/R/B) and with a maximum power rating of 1A (12V).





Before you install or remove any component, ensure that the ATX power supply 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, or components.

### 1.2.2 Rear panel connectors



- 1. PS/2 mouse (green). This port is for a PS/2 mouse.
- Video Graphics Adapter (VGA) port. This 15-pin port is for a VGA monitor or other VGA-compatible devices.
- USB 3.0 ports. These two 9-pin Universal Serial Bus (USB) ports connect to USB 3.0/2.0 devices.
  - Due to USB 3.0 controller limitations, USB 3.0 devices can only be used under a Windows<sup>®</sup> OS environment and after USB 3.0 driver installation.
  - The plugged USB 3.0 device may run on xHCI or EHCI mode, depending on the operating system's setting.
  - USB 3.0 devices can only be used for data storage.
  - We strongly recommend that you connect USB 3.0 devices to USB 3.0 ports for faster and better performance from your USB 3.0 devices.
- 4. USB 3.1 ports (teal blue, Type A). These 9-pin Universal Serial Bus 3.1 (USB 3.1) ports are for USB 3.1 devices.
- 5. LAN (RJ-45) port. This port allows Gigabit connection to a Local Area Network (LAN) through a network hub. Refer to the table below for the LAN port LED indications.

#### LAN port LED indications

Activity/Link LED	Speed LED			Activity Link LED	Speed LED
Status	Description		Description		
Off	No link	OFF	10Mbps connection		
Orange	Linked	ORANGE	100Mbps connection		-
Orange (Blinking)	Data activity	GREEN	1Gbps connection		_
Orange (Blinking then steady)	Ready to wake up from S5 mode			LAN p	ort

- 6. Line In port (light blue). This port connects to the tape, CD, DVD player, or other audio sources.
- Line Out port (lime). This port connects to a headphone or a speaker. In the 4.1, 5.1 and 7.1-channel configurations, the function of this port becomes Front Speaker Out.
- 8. Microphone port (pink). This port connects to a microphone.



Refer to the audio configuration table for the function of the audio ports in 2.1, 4.1, 5.1, or 7.1-channel configuration.

#### Audio 2.1, 4.1, 5.1, or 7.1-channel configuration

Port	Headset 2.1-channel	4.1-channel	5.1-channel	7.1-channel
Light Blue (Rear panel)	Line In	Rear Speaker Out	Rear Speaker Out	Rear Speaker Out
Lime (Rear panel)	Line Out	Front Speaker Out	Front Speaker Out	Front Speaker Out
Pink (Rear panel)	Mic In	Mic In	Bass/Center	Bass/Center
Lime (Front panel)	-	-	-	Side Speaker Out

- HDMI port. This port is for a High-Definition Multimedia Interface (HDMI) connector, and is HDCP compliant allowing playback of HD DVD, Blu-Ray, and other protected content.
- 10. DVI-D port. This port is for any DVI-D compatible device.



DVI-D can not be converted to output from RGB Signal to CRT and is not compatible with DVI-I.

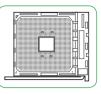
11. PS/2 keyboard (purple). This port is for a PS/2 keyboard.

# 1.3 Central Processing Unit (CPU)

The motherboard comes with an AMD AM4 socket designed for AMD Ryzen<sup>™</sup> / 7th Generation A-series / Athlon<sup>™</sup> processors.

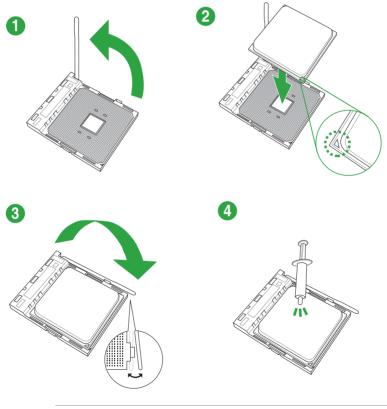


Unplug all power cables before installing the CPU.



The AM4 socket has a different pinout from the FM2+/FM2 socket. Ensure that you use a CPU designed for the AM4 socket. The CPU fits in only one correct orientation. DO NOT force the CPU into the socket to prevent bending the pins and damaging the CPU!

### Installing the CPU

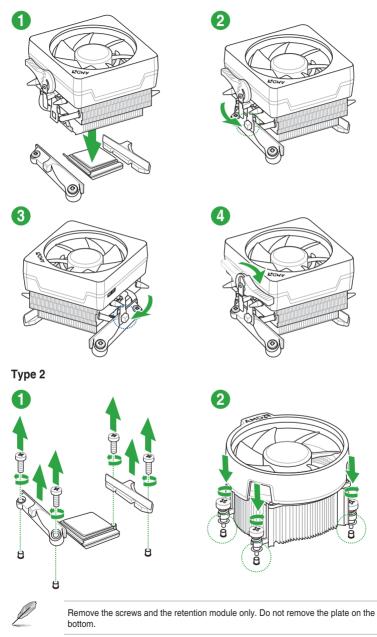




Apply the Thermal Interface Material to the CPU heatsink and CPU before you install the heatsink and fan if necessary.

### Installing the CPU heatsink and fan assembly

Type 1



### 1.4 System memory

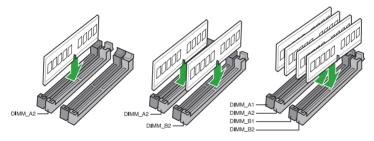
### Overview

This motherboard comes with four Double Data Rate 4 (DDR4) Dual Inline Memory Module (DIMM) sockets. The figure illustrates the location of the DDR4 DIMM sockets:

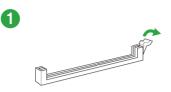


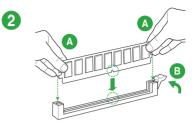
- You may install varying memory sizes in Channel A and Channel B. The system
  maps the total size of the lower-sized channel for the dual-channel configuration. Any
  excess memory from the higher-sized channel is then mapped for single-channel
  operation.
- Always install DIMMs with the same CAS latency. For optimal compatibility, we
  recommend that you install memory modules of the same version or date code (D/C)
  from the same vendor. Check with the retailer to get the correct memory modules.
- For system stability, use a more efficient memory cooling system to support a full memory load (4 DIMMs).
- Refer to <u>www.asus.com</u> for the latest Memory QVL (Qualified Vendors List)

### **Recommended memory configurations**

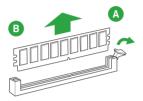


### Installing a DIMM





To remove a DIMM



Chapter 1:	Product	introduction
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# **BIOS** information



### 2.1 Managing and updating your BIOS

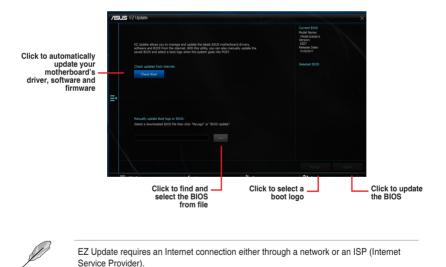


Save a copy of the original motherboard BIOS file to a USB flash disk in case you need to restore the BIOS in the future. Copy the original motherboard BIOS using the ASUS Update utility.

### 2.1.1 EZ Update

EZ Update is a utility that allows you to automatically update your motherboard's softwares, drivers and the BIOS version easily. With this utility, you can also manually update the saved BIOS and select a boot logo when the system goes into POST.

To launch EZ Update, click EZ Update on the AI Suite 3 main menu bar.



### 2.1.2 ASUS EZ Flash 3

The ASUS EZ Flash 3 feature allows you to update the BIOS without using an OS-based utility.

- Ensure that you load the BIOS default settings to ensure system compatibility and stability. Select the Load Optimized Defaults item under the Exit menu.
  - Check your Internet connection before updating the BIOS via the Internet.



#### To update the BIOS using EZ Flash 3:

- 1. Enter the Advanced Mode of the BIOS setup program. Go to the Tool menu to select ASUS EZ Flash 3 Utility and press <Enter> to enable it.
- 2. Follow the steps below to update the BIOS via a storage device or Internet.

#### Via Storage Device

- a) Insert the USB flash disk that contains the latest BIOS file to the USB port, then select **via Storage Device**.
- b) Press <Tab> to switch to the Drive field.
- c) Press the Up/Down arrow keys to find the USB flash disk that contains the latest BIOS, and then press <Enter>.
- d) Press <Tab> to switch to the Folder Info field.
- e) Press the Up/Down arrow keys to find the BIOS file, and then press <Enter> to perform the BIOS update process.

#### Via Internet

- a) Select via Internet.
- b) Press the Left/Right arrow keys to select an Internet connection method, and then press <Enter>.
- c) Follow the onscreen instructions to complete the update.
- 3. Reboot the system when the update process is done.



- ASUS EZ Flash 3 supports USB devices, such as a USB flash disk, with FAT 32/16 format and single partition only.
- DO NOT shut down or reset the system while updating the BIOS to prevent system boot failure!

### 2.1.3 ASUS CrashFree BIOS 3 utility

The ASUS CrashFree BIOS 3 is an auto recovery tool that allows you to restore the BIOS file when it fails or gets corrupted during the updating process. You can restore a corrupted BIOS file using the motherboard support DVD or a USB flash drive that contains the updated BIOS file.



Before using this utility, rename the BIOS file in the removable device into PRB350MA.CAP.

 The BIOS file in the support DVD may not be the latest version. Download the latest BIOS file from the ASUS website at <u>www.asus.com</u>.

### **Recovering the BIOS**

#### To recover the BIOS:

- 1. Turn on the system.
- 2. Insert the support DVD to the optical drive or the USB flash drive that contains the BIOS file to the USB port.
- The utility automatically checks the devices for the BIOS file. When found, the utility reads the BIOS file and enters ASUS EZ Flash 2 utility automatically.
- The system requires you to enter BIOS Setup to recover BIOS settings. To ensure system compatibility and stability, we recommend that you press <F5> to load default BIOS values.



DO NOT shut down or reset the system while updating the BIOS! Doing so can cause system boot failure!

### 2.1.4 ASUS BIOS Updater

ASUS BIOS Updater allows you to update the BIOS in DOS environment.



The screen captures used in this section are for reference only and may not be exactly the same as actually shown on your computer screen.

### **Before updating BIOS**

- Prepare the motherboard support DVD and a USB flash drive.
- Download the latest BIOS file and BIOS Updater from <u>http://support.asus.com</u> and save them in your USB flash drive.



NTFS is not supported under FreeDOS environment. Ensure that your USB flash drive is in single partition and in FAT32/16 format.

- Turn off the computer.
- Ensure that your computer has a DVD optical drive.

### Booting the system in DOS environment

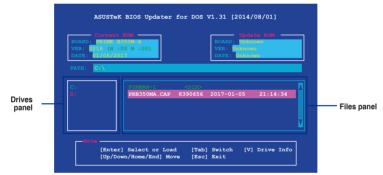
To boot the system in DOS:

- 1. Insert the USB flash drive with the latest BIOS file and BIOS Updater to the USB port.
- 2. Boot your computer then press <F8> to launch the select boot device screen.
- 3. When the select boot device screen appears, insert the Support DVD into the optical drive then select the optical drive as the boot device.
- When the booting message appears, press <Enter> within five (5) seconds to enter FreeDOS prompt.
- On the FreeDOS prompt, type d: then press <Enter> to switch the disk from Drive C (optical drive) to Drive D (USB flash drive).

### Updating the BIOS file

To update the BIOS file:

- 1. On the FreeDOS prompt, type bupdater /pc /g and press <Enter>.
- On the BIOS Updater screen, press <Tab> to switch from Files panel to Drives panel then select D:.



- Press <Tab> to switch from Drives panel to Files panel then press <Up/Down or Home/ End> keys to select the BIOS file and press <Enter>.
- 4. After the BIOS Updater checks the selected BIOS file, select **Yes** to confirm the BIOS update.



The BIOS Backup feature is not supported due to security regulations.

- Select Yes then press <Enter>. When BIOS update is done, press <ESC> to exit BIOS Updater.
- 6. Restart your computer.



DO NOT shut down or reset the system while updating the BIOS to prevent system boot failure.



Ensure to load the BIOS default settings to ensure system compatibility and stability. Select the **Load Optimized Defaults** item under the **Exit** BIOS menu.

# 2.2 BIOS setup program

Use the BIOS Setup program to update the BIOS or configure its parameters. The BIOS screens include navigation keys and brief online help to guide you in using the BIOS Setup program.

### Entering BIOS Setup at startup

#### To enter BIOS Setup at startup:

Press < Delete> or <F2> during the Power-On Self Test (POST). If you do not press
 <Delete> or <F2>, POST continues with its routines.

### **Entering BIOS Setup after POST**

#### To enter BIOS Setup after POST:

- Press <Ctrl>+<Alt>+<Del> simultaneously.
- · Press the reset button on the system chassis.
- Press the power button to turn the system off then back on. Do this option only if you
  failed to enter BIOS Setup using the first two options.



Using the power button, reset button, or the <**Ctrl**>+<**Alt**>+<**Del**> keys to force reset from a running operating system can cause damage to your data or system. We recommend you always shut down the system properly from the operating system.



- The BIOS setup screens shown in this section are for reference purposes only, and may not exactly match what you see on your screen.
- Visit the ASUS website at <u>www.asus.com</u> to download the latest BIOS file for this motherboard.
- Ensure that a USB mouse is connected to your motherboard if you want to use the mouse to control the BIOS setup program.
- If the system becomes unstable after changing any BIOS setting, load the default settings to ensure system compatibility and stability. Select the Load Optimized Defaults item under the Exit menu or press hotkey <F5>.
- If the system fails to boot after changing any BIOS setting, try to clear the CMOS and
  reset the motherboard to the default value. See section 1.2.1 Layout contents for
  information on how to erase the RTC RAM.

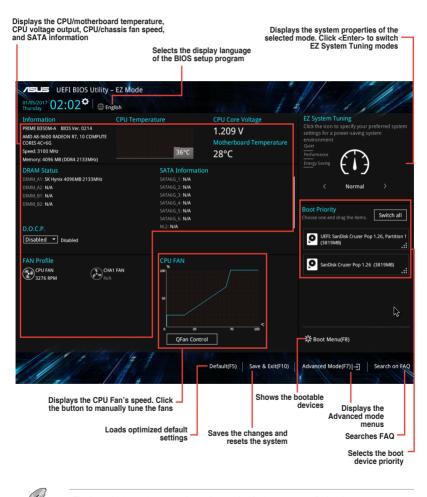
### **BIOS** menu screen

The BIOS setup program can be used under two modes: **EZ Mode** and **Advanced Mode**. Press <**F7**> to change between the two modes.

### 2.2.1 EZ Mode

By default, the EZ Mode screen appears when you enter the BIOS setup program. The EZ Mode provides you an overview of the basic system information, and allows you to select the display language, system performance mode, fan profile and boot device priority. To access the Advanced Mode, click **Advanced Mode(F7)** or press <F7>.

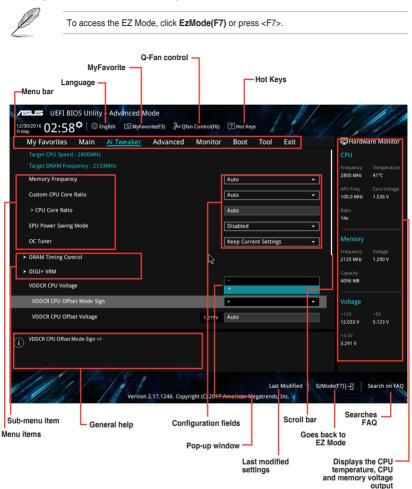
The default screen for entering the BIOS setup program can be changed. Go to the **Setup Mode** item in the **Boot menu**.



The boot device options vary depending on the devices you installed to the system.

### 2.2.2 Advanced Mode

The Advanced Mode provides advanced options for experienced end-users to configure the BIOS settings. The figure below shows an example of the **Advanced Mode**. Refer to the following sections for the detailed configurations.



### Menu bar

The menu bar on top of the screen has the following main items:

My Favorites	For saving the frequently-used system settings and configuration
Main	For changing the basic system configuration
Ai Tweaker	For changing the overclocking settings
Advanced	For changing the advanced system settings
Monitor	For displaying the system temperature, power status, and changing the fan settings
Boot	For changing the system boot configuration
Tool	For configuring options for special functions
Exit	For selecting the exit options and loading default settings

### Menu items

The highlighted item on the menu bar displays the specific items for that menu. For example, selecting **Main** shows the Main menu items.

The other items (My Favorites, Ai Tweaker, Advanced, Monitor, Boot, Tool, and Exit) on the menu bar have their respective menu items.

### Submenu items

A greater than sign (>) before each item on any menu screen means that the item has a submenu. To display the submenu, select the item and press <Enter>.

### Language

This button above the menu bar contains the languages that you can select for your BIOS. Click this button to select the language that you want to display in your BIOS screen.

### **MyFavorites (F3)**

This button above the menu bar shows all BIOS items in a Tree Map setup. Select frequentlyused BIOS settings and save it to MyFavorites menu.

### Q-Fan Control (F6)

This button above the menu bar displays the current settings of your fans. Use this button to manually tweak the fans to your desired settings.

### Hot keys

This button above the menu bar contains the navigation keys for the BIOS setup program. Use the navigation keys to select items in the menu and change the settings.

### Scroll bar

A scroll bar appears on the right side of a menu screen when there are items that do not fit on the screen. Press the Up/Down arrow keys or <Page Up> / <Page Down> keys to display the other items on the screen.

### General help

At the bottom left corner of the menu screen is a brief description of the selected item. Use <F12> key to capture the BIOS screen and save it to the removable storage device.

### **Configuration fields**

These fields show the values for the menu items. If an item is user-configurable, you can change the value of the field opposite the item. You cannot select an item that is not user-configurable.

A configurable field is highlighted when selected. To change the value of a field, select it and press <Enter> to display a list of options.

### Last Modified button

This button shows the items that you last modified and saved in BIOS Setup.

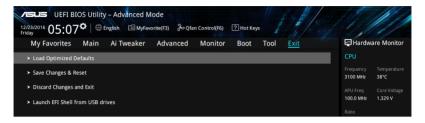
### Search on FAQ

Move your mouse over this button to show a QR code. Scan this QR code with your mobile device to connect to the ASUS BIOS FAQ web page. You can also scan the QR code below.



# 2.3 Exit menu

The Exit menu items allow you to load the optimal default values for the BIOS items, and save or discard your changes to the BIOS items. You can access the EZ Mode from the Exit menu.



### Load Optimized Defaults

This option allows you to load the default values for each of the parameters on the Setup menus. When you select this option or if you press <F5>, a confirmation window appears. Select OK to load the default values.

### Save Changes & Reset

Once you are finished making your selections, choose this option from the Exit menu to ensure the values you selected are saved. When you select this option or if you press <F10>, a confirmation window appears. Select OK to save changes and exit.

### **Discard Changes and Exit**

This option allows you to exit the Setup program without saving your changes. When you select this option or if you press <Esc>, a confirmation window appears. Select OK to discard changes and exit.

### Launch EFI Shell from USB drives

This option allows you to attempt to launch the EFI Shell application (shellx64.efi) from one of the available USB devices.

# Appendix

### Notices

### Federal Communications Commission Statement

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

- This device may not cause harmful interference.
- This device must accept any interference received including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



The use of shielded cables for connection of the monitor to the graphics card is required to assure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### **IC: Canadian Compliance Statement**

Complies with the Canadian ICES-003 Class B specifications. This device complies with RSS 210 of Industry Canada. This Class B device meets all the requirements of the Canadian interference-causing equipment regulations.

This device complies with Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cut appareil numérique de la Classe B est conforme à la norme NMB-003 du Canada. Cet appareil numérique de la Classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Cet appareil est conforme aux normes CNR exemptes de licence d'Industrie Canada. Le fonctionnement est soumis aux deux conditions suivantes :

(1) cet appareil ne doit pas provoquer d'interférences et

(2) cet appareil doit accepter toute interférence, y compris celles susceptibles de provoquer un fonctionnement non souhaité de l'appareil.

### **Canadian Department of Communications Statement**

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital apparatus complies with Canadian ICES-003.

### VCCI: Japan Compliance Statement

### **Class B ITE**

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目 的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、 受信障害を引き起こすことがあります。 取扱説明書に従って正しい取り扱いをして下さい。

V C C I - B

### **KC: Korea Warning Statement**

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B급 기기 (가정용 방송통신기자재)
이 기기는 가정용(B급) 전자과적합기기로서 주로 가정에서 사용하는 것을 목적으로
하며,모든 지역에서 사용할 수 있습니다.
```

### REACH

Complying with the REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals) regulatory framework, we published the chemical substances in our products at ASUS REACH website at <a href="http://csr.asus.com/english/REACH.htm">http://csr.asus.com/english/REACH.htm</a>.



DO NOT throw the motherboard in municipal waste. This product has been designed to enable proper reuse of parts and recycling. This symbol of the crossed out wheeled bin indicates that the product (electrical and electronic equipment) should not be placed in municipal waste. Check local regulations for disposal of electronic products.

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DO NOT throw the mercury-containing button cell battery in municipal waste. This symbol of the crossed out wheeled bin indicates that the battery should not be placed in municipal waste.

### ASUS Recycling/Takeback Services

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for you to be able to responsibly recycle our products, batteries, other components as well as the packaging materials. Please go to <a href="http://csr.asus.com/english/Takeback.htm">http://csr.asus.com/english/Takeback.htm</a> for detailed recycling information in different regions.

### **Regional notice for California**

**WARNING:** This product may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Wash hands after handling.

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English ASUSTeK Computer Inc. hereby declares that this device is in compliance with the essential requirements and other relevant provisions of related Directives. Full text of EU declaration of conformity is available at: <u>www.asus.com/support</u>

Français AsusTek Computer Inc. déclare par la présente que cet appareil est conforme aux critères essentiels et autres clauses pertinentes des directives concernées. La déclaration de conformité de l'UE peut être téléchargée à partir du site Internet suivant : <u>www.asus.com/support</u>

Deutsch ASUSTeK Computer Inc. erklärt hiermit, dass dieses Gerät mit den wesentlichen Anforderungen und anderen relevanten Bestimmungen der zugehörigen Richtlinien übereinstimmt. Der gesamte Text der EU-Konformitätserklärung ist verfügbar unter: <u>www.asus.com/support</u>

Italiano ASUSTEK Computer Inc. con la presente dichiara che questo dispositivo è conforme ai requisiti essenziali e alle altre disposizioni pertinenti con le direttive correlate. Il testo completo della dichiarazione di conformità UÈ è disponibile all'Indirizzo: <u>www.asus.com/support</u>

Русский Компания ASUS заявляет, что это устройство соответствует основным требованиям и другим соответствующим условиям соответствующих директив. Подробную информацию, пожалуйста, смотрите на <u>www.asus.com/support</u>

Български С настоящого ASUSTek Computer Inc. декларира, че това устройство е в соглетствие със съществените изисквания и другите приложими постановления на свързаните дриректияи. Пълният текст на декларацията за съответствие на ЕС е достъпна на адрес: www.saus.com/support

#### Hrvatski ASUSTeK Computer Inc. ovim izjavljuje da je ovaj uređaj sukladan s bitnim zahtjevima i ostalim odgovarajućim odredbama vezanih direktiva. Cijeli tekst EU izjave o sukladnosti dostupan je na: <u>www.asus.com/support</u>

Cestina Společnost ASUSTeK Computer Inc. tímto prohlašuje, že toto zařízení splňuje základní požadavky a další příslušná ustanovení souvisejících směrnic. Plné znění prohlášení o shodě EU je k dispozicí na adrese: www.asus.com/support

Dansk ASUSTEK Computer Inc. erklærer hermed, at denne enhed er i overensstemmelse med hovedkravene og andre relevante bestemmelser i de relaterede direktiver. Hele EU-overensstemmelseserklæringen kan findes på: www.asus.com/support

Nederlands ASUSTeK Computer Inc. verklaart hierbij dat dit apparaat voldoet aan de essentiële vereisten en andere relevante bepalingen van de verwante richtlijnen. De volledige tekst van de EU-verklaring van conformiteit is beschikbaar op: <u>www.asus.com/support</u>

Eesti Käesolevaga kinnitab ASUSTeK Computer Inc, et see seade vastab asjakohaste direktiivide oluliste nõuetele ja teistele asjassepuutuvatele sätetele. EL vastavusdeklaratsiooni täielik tekst on saadaval järgmisel aadressii: <u>www.asus.com/support</u>

Suomi ASUSTeK Computer Inc. ilmoittaa täten, että tämä laite on asiaankuuluvien direktiivien olennaisten vaatimusten ja muiden tätä koskevien säädösten mukainen. EU-yhdenmukaisuusilmoituksen koko teksti on luettavissa osoitteessa: <u>wwwasuscom/support</u>

Ελληνικά Με το παρόν, η AsusTek Computer Inc. δηλώνει ότι αυτή η αυσκευή συμμορφώνεται με τις θεμελιώδεις απαιτήσεις και άλλες σχετικές διατάξεις των οδηγιών της ΕΕ. Το πλήρες κείμενο της δήλωσης συμβατότητας είναι διαθέσιμο στη διεύθυνση; <u>www.asus.com/support</u>

Magyar Az ASUSTeK Computer Inc. ezennel kijelenti, hogy ez az eszköz megfelel a kapcsolódó Irányelvek lényeges követelményeinek és egyéb vonatkozó rendelkezéseinek. Az EU megfelelőségi nyilatkozat teljes szövege innen letőlthető: <u>www.asus.com/support</u> Latviski ASUSTEK Computer Inc. ar šo paziņo, ka ši ierīce atbilst saistīto Direktīvu būtiskajām prasībām un citiem citiem saistošājiem nosacījumiem. Pilns ES atbilstības paziņojuma teksts pieejams šeit <u>www.asus.com/support</u> Lietuviu. ASUSTEK Computer Inc.<sup>®</sup> šiuo tvirtina. kad šis irenginvs atitinka

Lietuvių "ASUS IEK Computer Inc." siuo tvirtina, kad šis įrenginys atitinka pagrindinius reikalavimus ir kitas svarbias susijusių direktyvų nuostatas. Visą ES atitikties deklaracijos tekstą galima rasti: <u>www.asus.com/support</u>

Norsk ASUSTeK Computer Inc. erklærer herved at denne enheten er i samsvar med hovedsaklige krav og andre relevante forskrifter i relaterte direktiver. Fullstendig tekst for EU-samsvarserklæringen finnes på: www.asus.com/support

Polski Firma ASUSTeK Computer Inc. niniejszym oświadcza, że urządzenie to jest zgodne z zasadniczymi wymogami i innymi właściwymi postanowieniami powiązanych dyrektyw. Pelny tekst deklaracji zgodności UE jest dostępny pod adresem: <u>www.asus.com/support</u>

Português A ASUSTeK Computer Inc. declara que este dispositivo está em conformidade com os requisitos essenciais e outras disposições relevantes das Diretivas relacionadas. Texto integral da declaração da UE disponível em: www.asus.com/support

Română ASUSTeK Computer Inc. declară că acest dispozitiv se conformează cerințelor esențiale și altor prevederi relevante ale directivelor conexe. Textul complet al declarației de conformitate a Uniunii Europene se găsește la: <u>www.asus.com/support</u>

Srpski ASUSTEK Computer Inc. ovim izjavljuje da je ovaj uređaj u saglasnosti sa osnovnim zahtevima i drugim relevantnim odredbama povezanih Direktiva. Pun tekst EU deklaracije o usaglašenosti je dostupan da adresi: www.asus.com/support

Slovensky Spoločnosť ASUSTeK Computer Inc. týmto vyhlasuje, že toto zariadenie vyhovuje základným požiadavkám a ostatým príslušným ustanoveniam príslušných smernic. Celý text vyhlásenia o zhode pre štáty EÚ je dostupný na adrese: <u>www.asus.com/support</u>

Slovenščina ASUSTeK Computer Inc. izjavlja, da je ta naprava skladna z bistvenimi zahtevami in drugimi ustreznimi določbami povezanih direktiv. Celotno besedilo EU-izjave o skladnosti je na voljo na spletnem mestu: www.asus.com/support

Español Por la presente, ASUSTeK Computer Inc. declara que este dispositivo cumple los requisitos básicos y otras disposiciones pertinentes de las directivas relacionadas. El texto completo de la declaración de la UE de conformidad está disponible en: <u>www.asus.com/support</u>

Svenska ASUSTeK Computer Inc. förklarar härmed att denna enhet överensstämmer med de grundläggande kraven och andra relevanta föreskrifter i relaterade direktiv. Fulltext av EU-försäkran om överensstämmelse finns på: <u>www.asus.com/support</u>

Українська ASUSTeK Computer Inc. заявляе, що цей пристрій відповідає основним вимогам та іншим відповідним положенням відповідних Директив. Повний текст декларації відповідності стандартам ЄС доступний на: <u>www.asus.com/support</u>

Türkçe AsusTek Computer Inc., bu aygıtın temel gereksinimlerle ve ilişkili Yönergelerin diğer ilgili koşullarıyla uyumlu olduğunu beyan eder. AB uygunluk bildiriminin tam metni şu adreste bulunabilir: www.asus.com/support

Bosanski ASUSTeK Computer Inc. ovim izjavljuje da je ovaj uređaj usklađen sa bitnim zahtjevima i ostalim odgovarajućim odredbama vezanih direktiva. Cijeli tekst EU izjave o usklađenosti dostupan je na: <u>www.asus.com/support</u>

### **ASUS contact information**

### ASUSTeK COMPUTER INC.

Address Telephone Fax Web site 4F, No. 150, Li-Te Road, Peitou, Taipei 112, Taiwan +886-2-2894-3447 +886-2-2890-7798 www.asus.com

### **Technical Support**

Telephone Fax Online support +86-21-38429911 +86-21-5866-8722, ext. 9101# http://qr.asus.com/techserv

### **ASUS COMPUTER INTERNATIONAL (America)**

Address Telephone Fax Web site 800 Corporate Way, Fremont, CA 94539, USA +1-510-739-3777 +1-510-608-4555 http://www.asus.com/us/

### **Technical Support**

Support fax Telephone Online support +1-812-284-0883 +1-812-282-2787 http://gr.asus.com/techserv

### ASUS COMPUTER GmbH (Germany and Austria)

Address Fax Web site Online contact Harkort Str. 21-23, 40880 Ratingen, Germany +49-2102-959931 http://www.asus.com/de http://eu-rma.asus.com/sales

### **Technical Support**

Telephone Support Fax Online support +49-2102-5789555 +49-2102-959911 http://gr.asus.com/techserv

### **DECLARATION OF CONFORMITY**

Per FCC Part 2 Section 2. 1077(a)



Responsible Party Name: Asus Computer International

Address: 800 Corporate Way, Fremont, CA 94539.

Phone/Fax No: (510)739-3777/(510)608-4555

hereby declares that the product

Product Name : Motherboard

#### Model Number : PRIME B350M-A

Conforms to the following specifications:

Section FCC Part 15, Subpart B, Unintentional Radiators

#### **Supplementary Information:**

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.

Representative Person's Name : Steve Chang / President

Steve Chang

Signature :

Date : Dec. 05, 2016

Ver. 140331