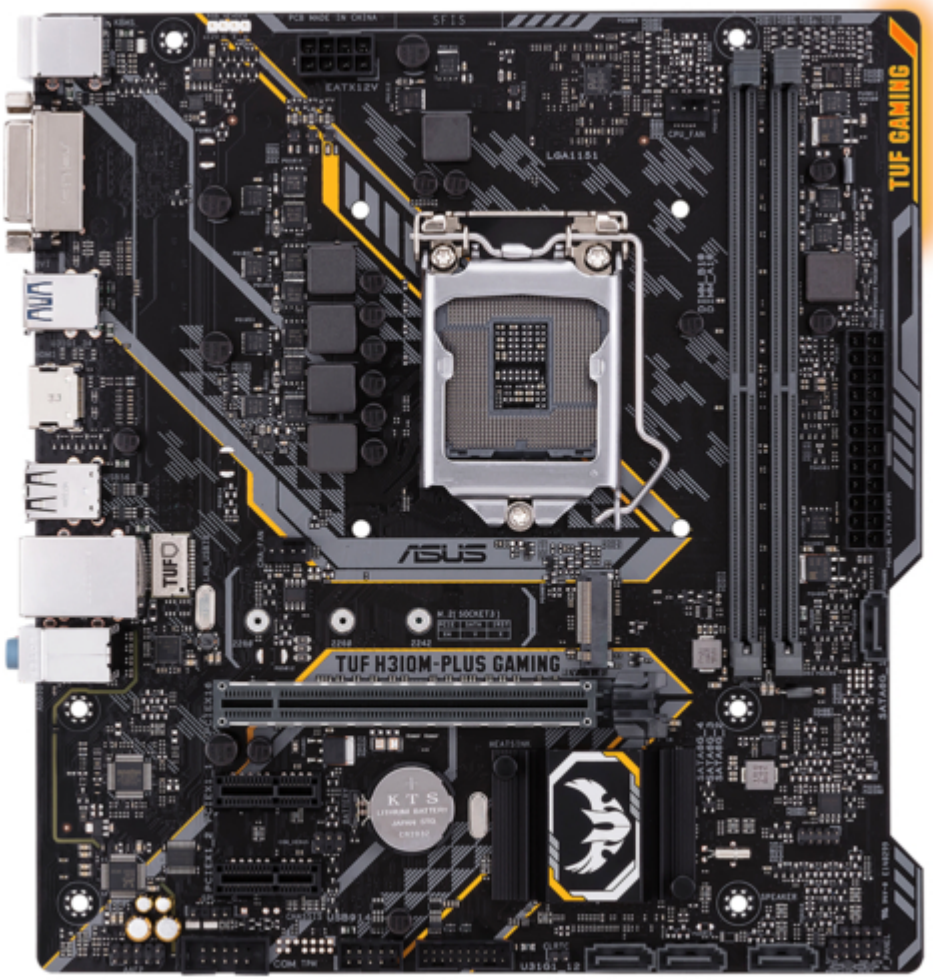
TUF GAMING
TUF H310M-PLUS GAMING

Asus TUF H310M-PLUS GAMING R2.0 Manual

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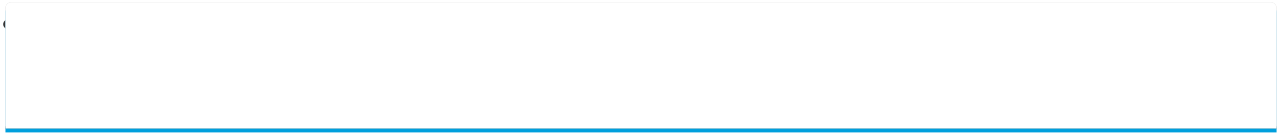

Bookmarks

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2 Advanced Mode

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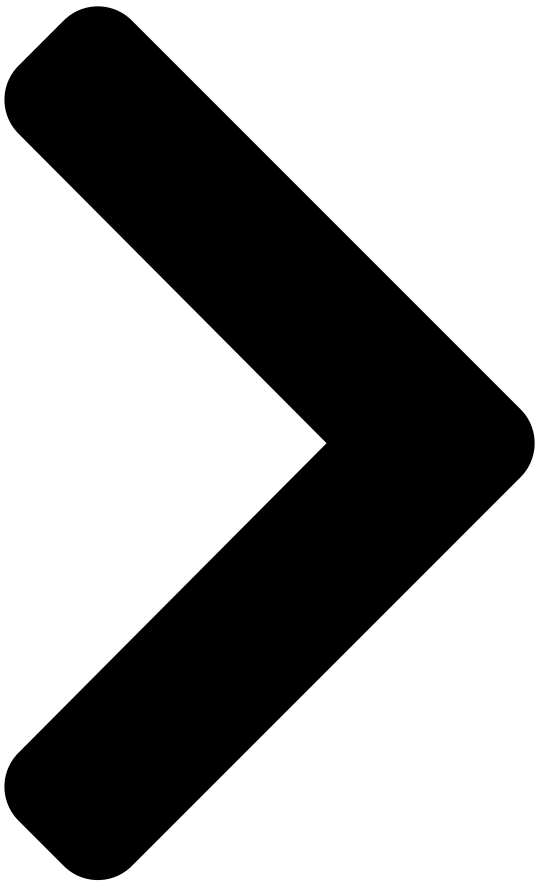

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Related Manuals for Asus TUF H310M-PLUS GAMING R2.0

Motherboard Asus TUF H310M-PLUS GAMING Quick Start Manual

(2 pages)

Motherboard Asus TUF H310M-PLUS GAMING R2.0 Quick Start Manual

(2 pages)

Motherboard Asus TUF H310M-PLUS GAMING Quick Start Manual

(2 pages)

Motherboard Asus PRIME H310M-A User Manual

(29 pages)

Motherboard Asus PRIME H310M-A R1.0 Instruction Manual

(29 pages)

Motherboard Asus Prime H310M-C Manual

(28 pages)

Motherboard Asus PRIME H310M-K Manual

(27 pages)

Motherboard Asus PRIME H310M-C R2.0 Manual

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Motherboard Asus PRIME H310M-D R2.0 Manual

(27 pages)

Motherboard Asus PRIME H310M-D Manual

(29 pages)

Motherboard Asus PRIME H310M-A R2.0 Manual

(29 pages)

Motherboard Asus PRIME H310M-E R2.0 Manual

(28 pages)

Motherboard Asus PRIME H310M-K R2.0 Manual

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Motherboard Asus PRIME H310M-DASH R2.0 Manual

(26 pages)

Motherboard Asus PRIME H310M-CS R2.0 Manual

(25 pages)

Motherboard Asus PRIME H310M-C/PS R2.0 Manual

(54 pages)

Summary of Contents for Asus TUF H310M-PLUS GAMING R2.0

Page 1 TUF H310M-PLUS GAMING R2.0...

Page 2 Product warranty or service will not be extended if: (1) the product is repaired, modified or altered, unless such repair, modification of alteration is authorized in writing by ASUS; or (2) the serial number of the product is defaced or missing.

Page 3: Table Of Contents

Contents Safety information .....iv About this guide .....iv Package contents .....vi TUF H310M-PLUS GAMING R2.0 specifications summary ..... vi Chapter 1: Product introduction Motherboard overview .....1-1 Central Processing Unit (CPU) 1-7

System memory .....1-8...

Page 4: Safety Information

Safety information Electrical safety • To prevent electrical shock hazards, 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.

Page 5 Refer to the following sources for additional information and for product and software updates. ASUS websites The ASUS website provides updated information on ASUS hardware and software products. Refer to the ASUS contact information. Optional documentation Your product package may include optional documentation, such as warranty flyers, that may have been added by your dealer.

Page 6: Package Contents

Package contents Check your motherboard package for the following items. Motherboard ASUS TUF H310M-PLUS GAMING R2.0 motherboard Cables 2 x Serial ATA 6.0 Gb/s cables 1 x I/O Shield Accessories 1 x M.2 Screw package 1 x TUF GAMING sticker...

Page 7 - 6 x USB 2.0/1.1 ports (2 ports @ mid-board, 4 ports @ back panel) ASUS TUF PROTECTION - ASUS SafeSlot - Protects your graphics card investment - ASUS ESD Guard: Enhanced ESD protection - ASUS DIGI+ VRM: Precision control for stable power...

Page 8 1 x System Panel connector 128 Mb Flash ROM, UEFI AMI BIOS, PnP, SM BIOS 3.1, ACPI 6.0, Multi- language BIOS, ASUS EZ Flash 3, CrashFree BIOS 3, F6 Qfan Control, F3 My BIOS Favorites, Last Modified log, F12 PrintScreen and ASUS DRAM SPD (Serial...

Page 9: Motherboard Overview

PCIE SATA IRST 2280 2260 2242 Intel ® AUDIO I219V PCIEX16 Super PCIEX1_1 Intel ® H310 PCIEX1_2 SPEAKER U31G1_12 USB910 SATA6G_4 SATA6G_3 SATA6G_2 AAFP CLRTC F_PANEL Scan the QR code to get the detailed pin definitions. ASUS TUF H310M-PLUS GAMING R2.0...

Page 10 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 http://support. asus.com.cn/PowerSupply.aspx?SLanguage=en for details. Intel LGA1151 CPU socket ® Install Intel LGA1151 CPU into this surface mount LGA1151 socket, which is ®...

Page 11 USB 2.0 specifications and supports up to 480Mbps connection speed. Digital audio connector (4-1 pin SPDIF_OUT) 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. PIN 1 SPDIF_OUT ASUS TUF H310M-PLUS GAMING R2.0...

Page 12 Serial port connector (10-1 pin COM) Connect the serial port module cable to this connector, then install the module to a slot opening at the back of the system chassis. Front panel audio connector (10-1 pin AAFP) This connector is for a chassis-mounted front panel audio I/O module that supports HD Audio standard.

Page 13 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. Microphone port (pink). This port connects to a microphone. ASUS TUF H310M-PLUS GAMING R2.0...

Page 14 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 Headset Port 4.1-channel 5.1-channel 7.1-channel 2.1-channel Light Blue (Rear panel) Line In Rear Speaker Out Rear Speaker Out Rear Speaker Out Lime (Rear panel)

Page 15: Central Processing Unit (Cpu)

PnP cap/socket contacts/motherboard components. • Keep the cap after installing the motherboard. ASUS will process Return Merchandise Authorization (RMA) requests only if the

motherboard comes with the cap on the LGA1151 socket.

Page 16: System Memory

• For system stability, use a more efficient memory cooling system to support a full memory load (2 DIMMs). • Refer to www.asus.com for the latest Memory QVL (Qualified Vendors List) Chapter 1: Product introduction...

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Recommended memory configurations DIMM_B1* DIMM_A1* DIMM_A1* Installing a DIMM To remove a DIMM ASUS TUF H310M-PLUS GAMING R2.0...

Page 18: Chapter 2: Bios Information

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 www.asus.com to download the latest BIOS file for this • motherboard.

Page 19: Ez Mode

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>.

Page 20: Advanced Mode

To access the EZ Mode, click EzMode(F7) or press <F7>. Q-Fan control Menu bar MyFavorite Language Hot Keys Last modified settings Pop-up Searches Sub-menu item General help window Menu items Goes back to Scroll bar EZ Mode Configuration Displays hardware monitoring data fields ASUS TUF H310M-PLUS GAMING R2.0...

Page 21: Exit Menu

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. 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.

Page 22: Appendix

- Increase the separation between the equipment and receiver. - Connect the equipment into 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. ASUS TUF H310M-PLUS GAMING R2.0...

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Compliance Statement of Innovation, Science and Economic Development Canada (ISED) This device complies with Innovation, Science and Economic Development Canada licence 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.

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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.

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доступний на: www.asus.com/support Cijeli tekst EU izjave o sukladnosti dostupan je na: www.asus.com/support Türkçe AsusTek Computer Inc., bu aygıtın temel gereksinimlerle ve ilişkili Čeština Společnost ASUSTeK Computer Inc. tímto prohlašuje, že toto Yönergelerin diğer ilgili koşullarıyla uyumlu olduğunu beyan eder.

Page 26: Asus Contact Information

+1-510-739-3777 +1-510-608-4555 Web site http://www.asus.com/us/ Technical Support Support fax +1-812-284-0883 Telephone +1-812-282-2787 Online support http://qr.asus.com/techserv ASUS COMPUTER GmbH (Germany and Austria) Address Harkort Str. 21-23, 40880 Ratingen, Germany +49-2102-959931 Web site http://www.asus.com/de Online contact http://eu-rma.asus.com/sales Technical Support Telephone +49-2102-5789555 Support Fax...

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