

Asus PRIME H410I-PLUS Manual

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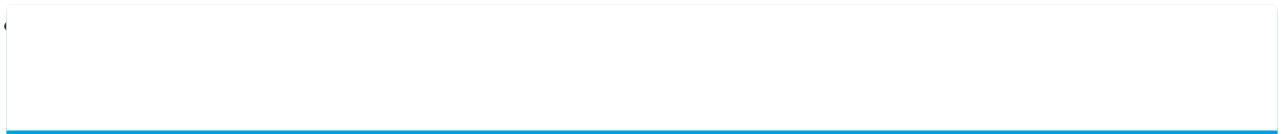
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Summary of Contents for Asus PRIME H410I-PLUS

[Page 1](#) PRIME H410I-PLUS...

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

[Page 3: Table Of Contents](#)

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Processing Unit (CPU)1-7 System memory 1-8...

[Page 4: Safety Information](#)

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.

[Page 5: About This Guide](#)

Refer to the following sources for additional information and for product and software updates. ASUS website 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](#)

Turbo Boost Technology 2.0 and Intel Turbo Boost Max [®] [®] Technology 3.0** * Support up to 65W CPUs. For more details, please refer to www.asus.com for Intel CPU support list. Intel [®] Turbo Boost Max Technology 3.0 support depends on the CPU types.

[Page 7](#) PRIME H410I-PLUS specifications summary Realtek ALC887 7.1 Surround Sound High Definition Audio CODEC* - Supports: Jack-detection, Multi-streaming, Front Panel Jack-retasking - Supports up to 24-Bit/192kHz playback Audio Features Audio - Audio Shielding - Premium Japanese audio capacitors - Dedicated audio PCB layers * A chassis with an HD audio module in the front panel is required to support 7.1...

[Page 8](#) PRIME H410I-PLUS specifications summary ASUS 5X PROTECTION III - ASUS DIGI+ VRM (- Digital power design with DrMOS) - ASUS Enhanced DRAM Overcurrent Protection - ASUS ESD Guards - ASUS LANGuard - ASUS Overvoltage Protection Special Features - ASUS SafeSlot Core...

[Page 9: Chapter 1 Product Introduction](#)

8111H Super LAN_U32G1_34 128Mb Intel [®] BIOS H410 2280 2260 AUDIO BATT_CON AAFP PCIEX16 Unplug the power cord before installing or removing the motherboard. Failure to do so can cause you physical injury and damage motherboard components. ASUS PRIME H410I-PLUS...

[Page 10](#) 1.2.1 Layout contents 1. CPU socket The motherboard comes with a surface mount Intel Socket LGA1200 designed for 10 [®] Intel Core , Pentium Gold and Celeron Processors. [®] [®] [®] For more details, refer to Central Processing Unit (CPU). 2.

[Page 11](#) 12. COM Port header This header is for a serial (COM) port. Connect the serial port module cable to this header, then install the module to a slot opening at the back of the system chassis. PIN 1 ASUS PRIME H410I-PLUS...

[Page 12](#) 13. Front panel audio header This header is for a chassis-mounted front panel audio I/O module that supports HD audio standard. Connect one end of the front panel audio I/O module cable to this header. • We recommend that you connect a high-definition front panel audio module to this header to avail of the motherboard's high- AAFP definition audio capability.

[Page 13](#) 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. USB 3.2 Gen 1 (up to 5Gbps) ports. These 9-pin Universal Serial Bus (USB) ports connect to USB 3.2 Gen 1 devices. ASUS PRIME H410I-PLUS...

[Page 14](#) Microphone port (pink). This port connects a microphone. Refer to the audio configuration table on the next page for the function of the audio ports in 2, 4, 5.1, or 7.1-channel configuration. Audio 2, 4, 5.1 or 7.1-channel configuration Headset Port 4-channel 5.1-channel...

[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 LGA1200 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). Recommended memory configurations DIMM_A1* DIMM_A1* DIMM_B1*...

[Page 17](#) Installing a DIMM To remove a DIMM ASUS PRIME H410I-PLUS...

[Page 18](#) 1-10 Chapter 1: Product introduction...

[Page 19: Chapter 2 Bios And Raid Support](#)

BIOS and RAID Support Knowing BIOS The new ASUS UEFI BIOS is a Unified Extensible Interface that complies with UEFI architecture, offering a user-friendly interface that goes beyond the traditional keyboard- only BIOS controls to enable a more flexible and convenient mouse input. You can easily navigate the new UEFI BIOS with the same smoothness as your operating system.

[Page 20: Bios Setup Program](#)

BIOS Setup program Use the BIOS Setup to update the BIOS or configure its parameters. The BIOS screens include navigation keys and brief onscreen help to guide you in using the BIOS Setup program. Entering BIOS at startup To enter BIOS Setup at startup, press <Delete> or <F2> during the Power-On Self Test (POST).

[Page 21: Asus Ez Flash 3](#)

ASUS EZ Flash 3 The ASUS EZ Flash 3 feature allows you to update the BIOS without using an OS-based utility. Ensure to load the BIOS default settings to ensure system compatibility and stability. Select the Load Optimized Defaults item under the Exit menu or press hotkey <F5>.

[Page 22: Asus Crashfree Bios 3](#)

The BIOS file in the motherboard support DVD may be older than the BIOS file published on the ASUS official website. If you want to use the newer BIOS file, download the file at <https://www.asus.com/support/> and save it to a USB flash drive.

[Page 23: Raid Configurations](#)

For more information on configuring your RAID sets, please refer to the RAID Configuration Guide which you can find at <https://www.asus.com/support/>, or by scanning the QR code. RAID definitions RAID 0 (Data striping) optimizes two identical hard disk drives to read and write data in parallel, interleaved stacks.

[Page 24](#) Chapter 2: BIOS information...

[Page 25: Appendix](#)

Appendix Notices FCC Compliance Information Responsible Party: Asus Computer International Address: 48720 Kato Rd., Fremont, CA 94538, USA Phone / Fax No: (510)739-3777 / (510)608-4555 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.

[Page 26](#) 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.

[Page 27](#) ASUS products sold in Vietnam, on or after September 23, 2011, meet the requirements of the Vietnam Circular 30/2011/TT-BCT. Các sản phẩm ASUS bán tại Việt Nam, vào ngày 23 tháng 9 năm 2011 trở về sau, đều phải đáp ứng các yêu cầu của Thông tư 30/2011/TT-BCT của Việt Nam.

[Page 28](#) 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.

[Page 29](#) Директив. Повний текст декларації відповідності стандартам ЕС доступний s bitním zahtjevima i ostalim odgovarajućim odredbama vezanih direktiva. 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 Yönergelerin diğer ilgili koşullarıyla uyumlu olduğunu beyan eder.

[Page 30: Asus Contact Information](#)

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