



Asus Prime H410M-CS Manual

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Summary of Contents for Asus Prime H410M-CS

[Page 1](#) PRIME H410M-CS...

[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](#)

® processors, only Core™ i9/i7 CPUs support 2933/2800/2666/ 2400/2133 natively, others will run at the maximum transfer rate of DDR4 2666MHz. Refer to www.asus.com for the Memory QVL (Qualified Vendors Lists). 1 x HDMI™ 1.4b Graphics 1 x D-Sub *Graphics specifications may vary between CPU types.

[Page 7](#) PRIME H410M-CS specifications summary Rear USB (Total 6 ports) 2 x USB 3.2 Gen 1 ports (2 x Type-A) 4 x USB 2.0 ports (4 x Type-A) Front USB (Total 4 ports) 1 x USB 3.2 Gen 1 header supports additional 2 USB 3.2 Gen 1 ports 1 x USB 2.0 header supports additional 2 USB 2.0 ports...

[Page 8](#) Norton Anti-virus software (Free Trial for 60 days) WinRAR UEFI BIOS ASUS EZ DIY - ASUS CrashFree BIOS 3 - ASUS EZ Flash 3 - ASUS UEFI BIOS EZ Mode BIOS 128 Mb Flash ROM, UEFI AMI BIOS Manageability WOL by PME, PXE Operating System...

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

Intel ® H410 128Mb BIOS SPEAKER PCIEX1 AAFP SATA6G_1 SATA6G_2 F_PANEL CLRTC CHASSIS USB78 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 H410M-CS...

[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. ® ® ® • Supports up to Intel 65W CPU. ® • For more details, refer to Central Processing Unit (CPU).

[Page 11](#) If you want to connect a high-definition front panel audio module to this header, set the Front Panel Type item in the BIOS Setup HD-audio-compliant to [HD Audio]. By default, this header is set to [HD Audio]. pin definition ASUS PRIME H410M-CS...

[Page 12](#) 13. LPT header The LPT (Line Printing Terminal) header supports devices such as a printer. LPT standardizes as IEEE 1284, which is the parallel port interface on IBM PC-compatible computers. PIN 1 14. Speaker header The 4-pin header is for the chassis-mounted system warning speaker. The SPEAKER speaker allows you hear system beeps and warnings.

[Page 13](#) USB 2.0 ports. These 4-pin Universal Serial Bus (USB) ports are for USB 2.0 devices. 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. ASUS PRIME H410M-CS...

[Page 14](#) Audio 2, 4, 5.1 or 7.1-channel configuration Headset Port 4-channel 5.1-channel 7.1-channel 2-channel Light Blue Line In Rear Speaker Out Rear Speaker Out Rear Speaker Out (Rear panel) Lime (Rear panel) Line Out Front Speaker Out Front Speaker Out Front Speaker Out Pink (Rear panel) Mic In Mic In...

[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_B1* DIMM_B1* DIMM_A1*...

[Page 17](#) Installing a DIMM To remove a DIMM ASUS PRIME H410M-CS...

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

[Page 19: Chapter 2 Bios Information](#)

BIOS Information 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: 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 24](#) 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 25](#) 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 26](#) 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 27](#) Директив. Повний текст декларації відповідності стандартам ЕС доступний s bitnim zahtjevima i ostalim odgovarajućim odredbama vezanih direktiva. na: 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

iliškili Čeština Společnost ASUSTeK Computer Inc. tímto prohlašuje, že Yönergelerin diğer ilgili koşullarıyla uyumlu olduğunu beyan eder.

Page 28: Asus Contact Information

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