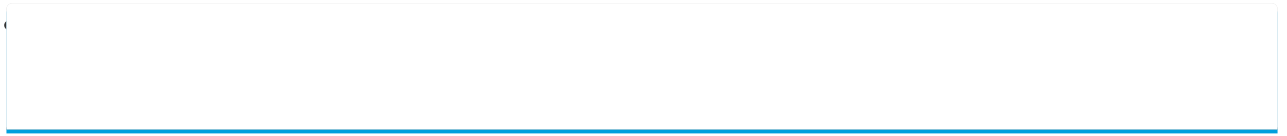


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Summary of Contents for Asus PRIME H310M-DASH

[Page 1](#) PRIME H310M-DASH E14287_PRIME_H310M-DASH_UM.indb 1 7/2/2018 2:04:09 PM...

[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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System memory1-8 Chapter 2: BIOS information BIOS setup program

[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](#) 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](#)

** DDR4 2666MHz and higher memory modules will run at max. 2666MHz on Intel 8th Gen. ® 6-core or higher processors. *** Refer to www.asus.com for the Memory QVL (Qualified Vendors List). 1 x PCI Express 3.0/2.0 x16 slot Expansion slots 2 x PCI Express 2.0 x1 slots...

[Page 7](#) Bespoke Motherboard Design & Business Motherboard Focused Features : - ASUS Self-Recovering BIOS: Automatically recovers BIOS update once crash happens - ASUS Event Log: Records activities of system and provides information in BIOS - ASUS Commercial BIOS kit: Speeds up BIOS update solution by partial BIOS design - Anti-Moisture: Against moisture and corrosion —...

[Page 8](#) 1 x LPC debug header 1 x Mono out header (AMP IC) 128Mb Flash ROM, UEFI AMI BIOS, PnP, SM BIOS 3.1, ACPI 6.1, Multi-language BIOS features BIOS, ASUS Self- Recovering BIOS, ASUS Event log, ASUS Commercial Kit Manageability WOL, PXE Drivers...

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

Super PCIEX1_1 BATTERY Intel ® H310 128Mb BIOS PCIEX1_2 MONO_OUT LPC_DEBUG COM1_1 CHASSIS AAFP U31G1_12 SATA6G_4 SATA6G_3 USB914 SPEAKER F_PANEL 11 10 Scan the QR code to get the detailed pin definitions. ASUS PRIME H310M-DASH E14287_PRIME_H310M-DASH_UM.indb 1 7/2/2018 2:04:09 PM...

[Page 10](#) • 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/PowerSupplyCalculator/PSCalculator.aspx?SLanguage=en-us> for details. 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.

[Page 11](#) The 4-pin connector is for the chassis-mounted system warning speaker. The speaker allows you to hear system beeps and warnings. System panel connector (10-1 pin F_PANEL) This connector supports several chassis-mounted functions. ASUS PRIME H310M-DASH E14287_PRIME_H310M-DASH_UM.indb 3 7/2/2018 2:04:10 PM...

[Page 12](#) This header allows connection to a LPC debug card. • Scan the QR code to view the meaning of each debug code. • Debug codes are only available for ASUS LPC debug card. • Contact your region sales representative for LPC debug header ordering.

[Page 13](#) 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. 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. ASUS PRIME H310M-DASH E14287_PRIME_H310M-DASH_UM.indb 5 7/2/2018 2:04:10 PM...

[Page 14](#) 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) 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 LGA1151 socket.

[Page 16: System Memory](#)

Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value. • Refer to www.asus.com for the latest Memory QVL (Qualified Vendors List). Chapter 1: Product introduction E14287_PRIME_H310M-DASH_UM.indb 8 7/2/2018 2:04:11 PM...

[Page 17](#) Recommended memory configuration DIMM_B1* DIMM_B1* DIMM_A1* DIMM_A1* Installing a DIMM To remove a DIMM ASUS PRIME H310M-DASH E14287_PRIME_H310M-DASH_UM.indb 9 7/2/2018 2:04:11 PM...

[Page 18: Chapter 2: Bios Information](#)

BIOS information Scan the QR code to view the BIOS update guide. The system will automatically active ASUS Self-Recovering BIOS after reboot from the BIOS update failure. ASUS Self-Recovering BIOS ASUS-exclusive BIOS protection technology automatically recovers the system's BIOS with a verified backup in the event of an update failure, preventing the need to replace or reinstall your hardware.

[Page 19: Bios Menu Screen](#)

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 20: Event Log](#)

Aptio Setup Utility - Copyright (C) 2018 American Megatrends, Inc. Main Ai Tweaker Advanced Monitor Boot Tool Exit Show Event Logs in setup. ASUS EZ Flash 3 Utility User profile ASUS SPD Information Event Log :Select Screen : Select Item Enter: Select +/-: Change Opt. General Help...

[Page 21: Exit Menu](#)

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. Aptio Setup Utility - Copyright (C) 2018 American Megatrends, Inc. Main Ai Tweaker Advanced Monitor Boot...

[Page 22: Appendix](#)

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. ASUS PRIME H310M-DASH E14287_PRIME_H310M-DASH_UM.indb 1 7/2/2018 2:04:11 PM...

[Page 23](#) 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 24](#) 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 25](#) 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...

[Page 27](#) FCC COMPLIANCE INFORMATION Per FCC Part 2 Section 2.1077 Asus Computer International Responsible Party: Address: 48720 Kato Rd., Fremont, CA 94538 Phone/Fax No: (510)739-3777/(510)608-4555 hereby declares that the product Product Name : Motherboard Model Number : PRIME H310M-DASH compliance statement: This device complies with part 15 of the FCC Rules.