



# Asus PRIME H570M-PLUS Manual



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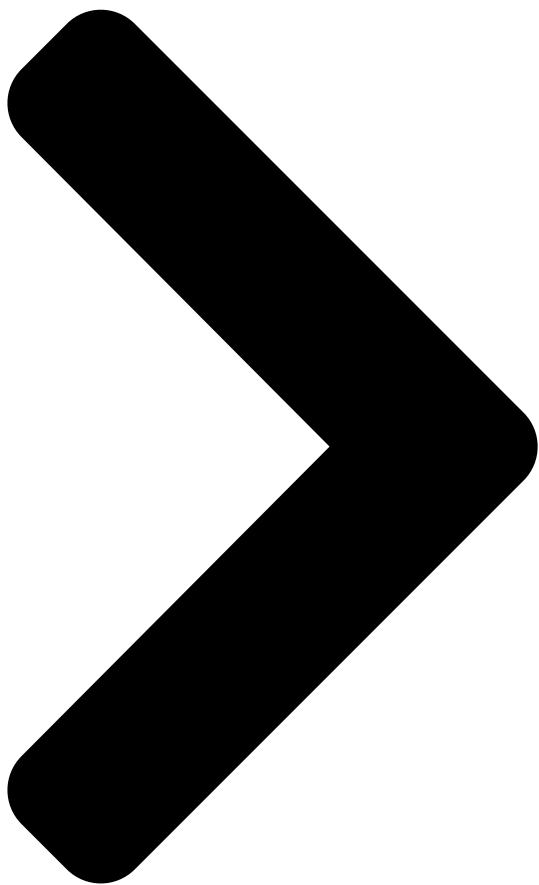
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## Summary of Contents for Asus PRIME H570M-PLUS

[Page 1](#) PRIME H570M-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.

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## [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](#)

\* 11 Gen Intel processors support 2933/2800/2666/2400/2133 natively. ® \* Refer to www.asus.com for the Memory QVL (Qualified Vendors Lists), and memory frequency support depends on the CPU types. 1 x DisplayPort 1.4\*\* 1 x DVI-D 1 x HDMI™ 1.4/2.0\*\*\* \* Graphics specifications may vary between CPU types.

[Page 7](#) PRIME H570M-PLUS specifications summary Total supports 2 x M.2 slots and 6 x SATA 6Gb/s ports Intel Gen Processors ® M.2\_1 slot (Key M), type 2242/2260/2280 - Only Intel Gen processors support PCIe 4.0 x4 mode, this slot will be ®...

[Page 8](#) 1 x S/PDIF Out header 1 x SPI TPM header (14-1pin) 1 x 20-3 pin System Panel header with Chassis intrude function 1 x Thunderbolt™ header ASUS 5X PROTECTION III - DIGI+ VRM - LANGuard - Overvoltage Protection - SafeSlot Core+...

[Page 9](#) WOL by PME, PXE Operating Windows 10 64-bit ® System mATX Form Factor Form Factor 9.6 inch x 9.6 inch (24.4 cm x 24.4 cm) Specifications are subject to change without notice. Please refer to the ASUS website for the latest specifications.

## [Page 10: Connectors With Shared Bandwidth](#)

Connectors with shared bandwidth RGB\_HEADER2 ADD\_GEN 2\_2 KBMS\_USB910 AIO\_PUMP ATX\_12V CPU\_FAN DIGI+ CPU\_OPT 1442K HDMI U32G2\_1 LGA1200 U32G2\_C2 LAN\_U32G1\_34 AUDIO 2242 2260 2280 PCIEX16\_1 BATTERY 2230 Ethernet Intel ® Super H570 PCIEX1 2280 2260 2242 128Mb BIOS PCIEX16\_2 64Mb Audio BIOS CODEC CLRTC...

## [Page 11: Chapter 1 Product Introduction](#)

SPDIF\_OUT PANEL AAFP CHA\_FAN2 USBE12 USBE34 SATA6G\_6 SATA6G\_5 RGB\_HEADER1 ADD\_GEN 2\_1 TB\_HEADER 14 16 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 H570M-PLUS...

[Page 12](#) 1.2.1 Layout contents 1. CPU socket The motherboard comes with a LGA1200 socket designed for 11 Gen Intel Core™ ® Processors & 10 Gen Intel Core , Pentium Gold and Celeron Processors. ® ® ® For more details, refer to Central Processing Unit (CPU). 2.

[Page 13](#) Before you install or remove any component, ensure that the 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. ASUS PRIME H570M-PLUS...

[Page 14](#) • Actual lighting and color will vary with LED strip. • If your LED strip does not light up, check if the addressable RGB LED strip is connected in the correct orientation, and the 5V connector is aligned with the 5V header on the motherboard.

[Page 15](#) The 2-pin header allows you to connect the Storage Device Activity LED. The Storage Device Activity LED lights up or blinks \* Requires an ATX power supply when data is read from or written to the storage device or storage device add-on card. ASUS PRIME H570M-PLUS...

[Page 16](#) • System Warning Speaker header (SPEAKER) The 4-pin header allows you to connect the chassis-mounted system warning speaker. The speaker allows you to hear system beeps and warnings. • Power Button/Soft-off Button header (PWRSW) The 3-1 pin header allows you to connect the system power button. Press the power button to power up the system, or put the system into sleep or soft-off mode (depending on the operating system settings).

[Page 17](#) ) port. This Universal Serial Bus (USB) Type-C port ® ® connects to a USB 3.2 Gen 2 Type-C device. ® 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 H570M-PLUS...

[Page 18](#) Microphone port (pink). This port connects a microphone. Refer to the audio configuration table 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 7.1-channel 2-channel Light Blue Line In...

### [Page 19: 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 20: System Memory](#)

For system stability, use a more efficient memory cooling system to support a full memory load. • Refer to [www.asus.com](http://www.asus.com) for the latest Memory QVL (Qualified Vendors Lists) and memory frequency support depends on the CPU types. Recommended memory configurations DIMM\_B1...

[Page 21](#) Installing a DIMM To remove a DIMM ASUS PRIME H570M-PLUS 1-11...

[Page 22](#) 1-12 Chapter 1: Product Introduction...

### [Page 23: 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 24: 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 25: 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 26: Asus Crashfree Bios 3](#)

ASUS CrashFree BIOS 3 The ASUS CrashFree BIOS 3 utility 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 a USB flash drive that contains the BIOS file.

### [Page 27: 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 28](#) Chapter 2: BIOS and RAID Support...

## [Page 29: 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 30](#) 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 31](#) 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 32](#) 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 33](#) доступний на: [www.asus.com/support](http://www.asus.com/support) Cijeli tekst EU izjave o sukladnosti dostupan  
je na: [www.asus.com/support](http://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 34: Warranty](#)

• ASUS offers a voluntary manufacturer's Commercial Guarantee. • ASUS dragovoljno nudi  
komercijalno proizvođačko jamstvo. • ASUS reserves the right to interpret the provisions of the  
ASUS • ASUS zadržava prava na tumačenje odredbi ASUS komercijalnog Commercial  
Guarantee. jamstva. •...

[Page 35](#) • Si tiene alguna queja o necesidad de un centro de reparación local Información de  
garantía de ASUS o el periodo de garantía del producto ASUS, por favor visite el sitio de Soporte  
de ASUS en <https://www.asus.com/mx/support/> para • ASUS ofrece una garantía comercial  
voluntaria del fabricante.

## [Page 36: Asus Contact Information](#)

+1-510-739-3777 +1-510-608-4555 Web site <https://www.asus.com/us/> Technical Support  
Support fax +1-812-284-0883 Telephone +1-812-282-2787 Online support  
<https://qr.asus.com/techserv> ASUS COMPUTER GmbH (Germany and Austria) Address  
Harkortstrasse 21-23, 40880 Ratingen, Germany Web site <https://www.asus.com/de> Online  
contact [https://www.asus.com/support/Product/ContactUs/  
Services/questionform/?lang=de-de](https://www.asus.com/support/Product/ContactUs/Services/questionform/?lang=de-de)  
Technical Support Telephone (DE) +49-2102-5789557 Telephone (AT)

This manual is also suitable for:

**Prime h570m-plus**