

ASUS X99-A II

ASUS X99-A II Motherboard User Manual

Model: X99-A II

1. INTRODUCTION

This manual provides detailed instructions for the installation, configuration, and operation of your ASUS X99-A II motherboard. Please read this manual thoroughly before installing your system components to ensure proper setup and functionality.

Product Overview

The ASUS X99-A II is an ATX motherboard designed for Intel Core i7 X-Series Processors utilizing the LGA2011-v3 socket. It integrates 5-Way Optimization for comprehensive system tuning, advanced connectivity options including onboard USB 3.1 Type-C, U.2, and M.2 slots, and ASUS Aura RGB lighting for customizable aesthetics. The motherboard also features ASUS SafeSlot for enhanced PCIe slot durability.

Key Features:

- **Next-Gen Connectivity:** Includes onboard U.2 / M.2 slots that utilize 32Gbps of PCIe bandwidth, as well as onboard USB 3.1 Type-C.
- **ASUS Aura RGB Lighting:** Features controllable RGB onboard lighting and a 4-pin strip header that can be synchronized with compatible ASUS hardware for customizable visual effects.
- **SafeSlot:** A patent-pending, reinforced PCIe slot design that uses an insert-molding process to bind the slot to fortifying metal, providing superior retention and shearing resistance for graphics cards.
- **5-Way Optimization with Fan Xpert 4:** Elevates customized cooling to new heights with automatic PWM/DC fan detection on all headers. This feature allows for the utilization of high-amperage fans and water-cooling pumps, configurable through software and UEFI.
- **Crystal Sound 3:** Gaming-grade audio solution featuring a new power pre-regulator for clean power delivery, combined with ASUS-pioneered noise isolation design and premium audio components for clear and immersive sound.

2. PACKAGE CONTENTS

Please verify that all items are present in your motherboard package. If any item is missing or damaged, contact your retailer.

- ASUS X99-A II Motherboard
- Serial ATA 6.0Gb/s cables (4)
- RGB LED extension cable
- CPU Installation Tool
- ASUS SLI bridge
- ASUS Q-Shield (I/O Shield)
- M.2 screw package
- User's manual (this document)
- Supporting DVD (drivers and utilities)

3. SYSTEM SETUP

This section guides you through the physical installation of the motherboard and its components into your computer chassis.

3.1 Motherboard Layout

Familiarize yourself with the main components and connectors on the ASUS X99-A II motherboard before proceeding with installation.



Image: Top-down view of the ASUS X99-A II motherboard, illustrating the CPU socket, DIMM slots, PCIe slots, and various headers.



Image: Close-up view of the rear input/output (I/O) panel of the ASUS X99-A II motherboard, showing USB ports, Ethernet, audio jacks, and other connectors.

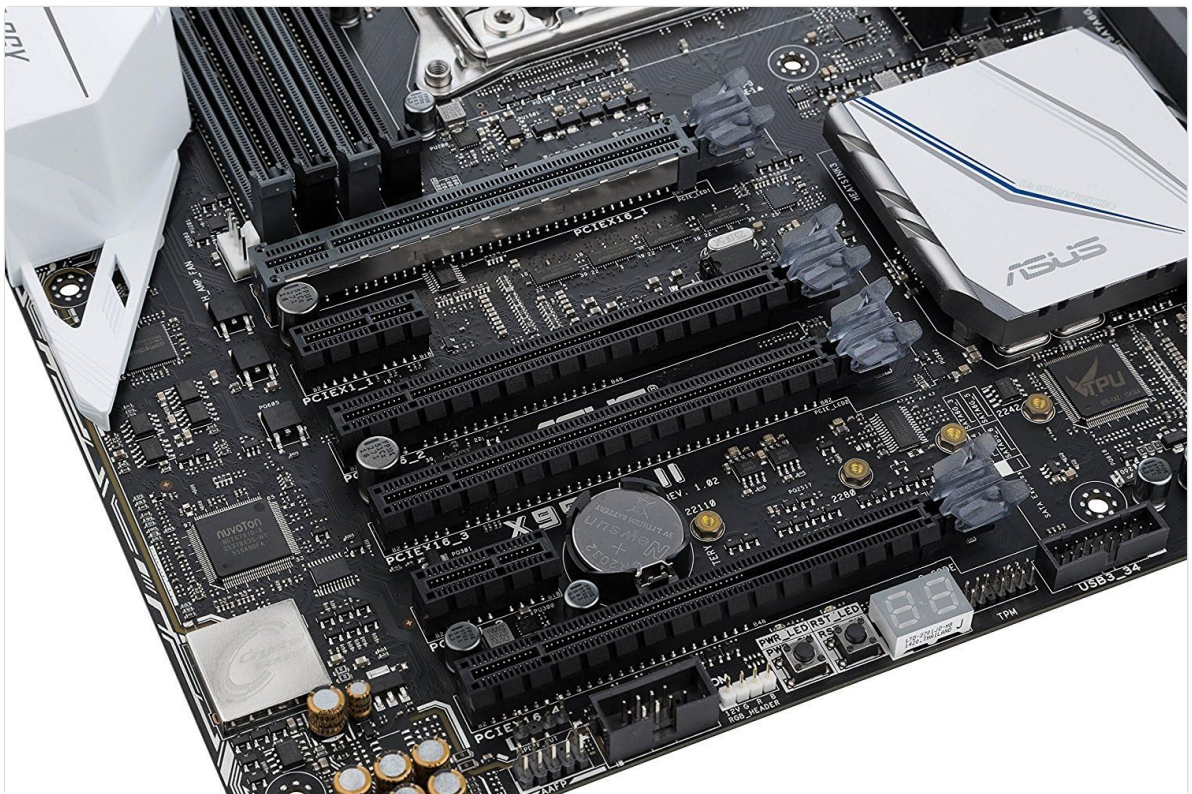


Image: Detailed view of the PCIe expansion slots and the M.2 slot on the ASUS X99-A II motherboard, illustrating their placement and configuration.

3.2 CPU Installation (LGA2011-v3)

1. Ensure the CPU socket lever is open.
2. Carefully align the CPU with the socket, matching the golden triangle on the CPU to the triangle indicator on the socket.
3. Gently place the CPU into the socket without forcing it.

4. Close the socket lever to secure the CPU.
5. Install the CPU cooler according to its manufacturer's instructions.

3.3 Memory Installation (DDR4 SDRAM)

The ASUS X99-A II supports DDR4 SDRAM. Refer to the motherboard manual for recommended memory configurations and slot priority for optimal performance.

1. Open the clips at both ends of the DIMM slot.
2. Align the memory module with the slot, ensuring the notch on the module matches the key in the slot.
3. Press down firmly on both ends of the memory module until the clips snap into place, securing the module.

3.4 Storage Device Installation

SATA Devices

Connect SATA storage devices (Hard Disk Drives, Solid State Drives) to the SATA 6.0Gb/s ports using the provided SATA cables.

M.2 and U.2 Devices

The motherboard features M.2 and U.2 slots for high-speed storage. Install M.2 drives by inserting them into the slot and securing them with the M.2 screw package. U.2 drives require a compatible cable (not included) to connect to the onboard U.2 connector.

Important Note for M.2 Users: If you plan to use an M.2 drive, be aware that enabling XMP (Extreme Memory Profile) for memory overclocking may impact M.2 bandwidth. Consult the UEFI/BIOS settings for specific configurations and potential limitations.

3.5 Expansion Card Installation (PCIe)

Install graphics cards and other expansion cards into the appropriate PCIe slots. The SafeSlot design provides enhanced durability for heavy graphics cards.

1. Align the expansion card with the chosen PCIe slot.
2. Press down firmly until the card is seated correctly and the retention clip locks.
3. Secure the card to the chassis with a screw.

3.6 Connecting Peripherals and Power

Connect your power supply unit (PSU) to the motherboard's 24-pin ATX power connector and the 8-pin CPU power connector. Connect front panel headers (USB, audio, power/reset switches, LEDs) according to the motherboard's pinout diagram. Connect external peripherals to the rear I/O ports.

4. OPERATING INSTRUCTIONS

4.1 First Boot and BIOS/UEFI Setup

After assembling your system, power it on. Press the 'Delete' key during startup to enter the BIOS/UEFI setup utility. Here you can configure boot order, system time, and various hardware settings.

4.2 Driver and Utility Installation

Insert the provided Supporting DVD to install necessary drivers for the chipset, audio, network, and other

components. Install ASUS utilities such as AI Suite 3 for 5-Way Optimization and Fan Xpert 4, and ASUS Aura for RGB lighting control.

4.3 ASUS Aura RGB Lighting

Use the ASUS Aura software to customize the onboard RGB lighting and synchronize it with compatible RGB LED strips connected to the 4-pin header on the motherboard.

4.4 5-Way Optimization and Fan Xpert 4

The 5-Way Optimization feature allows for one-click system tuning, including CPU overclocking, power efficiency, digital power control, and advanced fan control via Fan Xpert 4. This utility can automatically detect and calibrate connected fans and water-cooling pumps for optimal cooling and noise levels.

4.5 Crystal Sound 3 Audio Configuration

Ensure the audio drivers are installed for optimal performance of the Crystal Sound 3 audio solution. Configure audio settings through your operating system's sound control panel or the dedicated audio utility provided by ASUS.

5. MAINTENANCE

To ensure the longevity and optimal performance of your ASUS X99-A II motherboard, follow these maintenance guidelines:

- **Dust Removal:** Regularly clean dust from the motherboard and components using compressed air. Ensure the system is powered off and unplugged from the wall outlet before cleaning.
- **BIOS Updates:** Periodically check the official ASUS support website for BIOS/UEFI updates. Updates can improve system stability, component compatibility, and overall performance. Always follow the provided update instructions carefully.
- **Driver Updates:** Keep your system drivers updated to ensure compatibility and optimal performance with your operating system and applications.

6. TROUBLESHOOTING

This section addresses common issues you might encounter during system setup or operation.

- **No Power/No Boot:**
 - Verify all power cables (24-pin ATX, 8-pin CPU) are securely connected to the motherboard and power supply.
 - Ensure the power supply unit (PSU) is switched on at the back.
 - Check the front panel power switch connections to the motherboard.
- **Q-Code 00 Error:** This diagnostic code often indicates a CPU or memory initialization issue.
 - Reseat the CPU and carefully check for any bent pins in the socket.
 - Reseat all memory modules. Try booting with only one memory module installed in the primary slot.
 - Ensure the CPU cooler is properly installed and making good contact with the CPU.
- **Display Issues:**
 - Ensure the graphics card is fully seated in its PCIe slot and all auxiliary power connectors are

attached.

- Verify the monitor cable is securely connected to the graphics card and the monitor.

• **System Instability/Crashes:**

- Check for proper CPU and GPU cooling; ensure fans are spinning and heatsinks are clear of dust.
- Ensure memory modules are compatible with your motherboard and correctly installed.
- Update drivers for all components and the motherboard BIOS/UEFI to the latest versions.

For more detailed troubleshooting steps and advanced diagnostics, refer to the comprehensive user manual on the Supporting DVD or visit the official ASUS support website.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	ASUS
Model Name	X99-A II
CPU Socket	LGA 2011-3
Compatible Processors	Intel Core i7 X-Series
Chipset Type	Intel X99
Memory Type	DDR4 SDRAM (DIMM)
Memory Speed	Up to 2400 MHz (and higher via overclocking)
USB 2.0 Ports	4 (rear I/O)
Form Factor	ATX (12.0 inch x 9.6 inch / 30.5 cm x 24.4 cm)
Product Dimensions (LxWxH)	10.35 x 2.68 x 12.91 inches
Item Weight	4.2 pounds
First Available Date	May 6, 2016

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your ASUS X99-A II motherboard or visit the official ASUS support website. ASUS provides comprehensive technical support and resources for its products.

ASUS Support Website: <https://www.asus.com/support/>

When contacting support, please have your product model (X99-A II) and serial number readily available.

Related Documents - X99-A II

X99-E Series ASUS Motherboard	ASUS X99-E Series Motherboard User Manual This comprehensive user manual provides essential information for the installation, configuration, and optimal use of the ASUS X99-E Series Motherboard. Designed for users building or upgrading their PC systems, this guide covers everything from initial hardware setup to advanced BIOS settings and RAID configurations.
X99-DELUXE II Series ASUS Motherboard	ASUS X99-DELUXE II Series Motherboard User Manual: Installation, BIOS Setup, and Specifications Comprehensive user manual for the ASUS X99-DELUXE II Series Motherboard, covering detailed installation procedures, BIOS setup configurations, RAID support, and full product specifications. Essential guide for PC builders and enthusiasts.
X99-E WS/USB 3.1 ASUS Motherboard	ASUS X99-E WS/USB 3.1 Motherboard User Manual Comprehensive user manual for the ASUS X99-E WS/USB 3.1 motherboard, covering installation, BIOS setup, software support, RAID configurations, and multi-GPU support.
TUF Z370-PLUS GAMING II ASUS	مشخصات، نصب و تنظیمات: ASUS TUF Z370-PLUS GAMING II راهنمای مادربرد شامل مشخصات فنی، چیدمان قطعات، راهنمای جامع مادربرد و ویژگی‌های خاص ایسوس، RAID و BIOS و حافظه، تنظیمات CPU دستورالعمل‌های نصب

Z170 PRO GAMING/AURA ASUS Motherboard	ASUS Z170 PRO GAMING/AURA Motherboard User Manual Comprehensive user manual for the ASUS Z170 PRO GAMING/AURA motherboard, covering specifications, installation, BIOS setup, and safety information.
TUF H310-PLUS ASUS Motherboard	ASUS TUF H310-PLUS GAMING Motherboard User Guide Comprehensive user guide for the ASUS TUF H310-PLUS GAMING motherboard, detailing specifications, package contents, installation instructions, BIOS setup, and exclusive ASUS features.

Documents - ASUS – X99-A II



[\[pdf\]](#) User Manual Documentation Warranty

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Qualified Vendors List - Devices

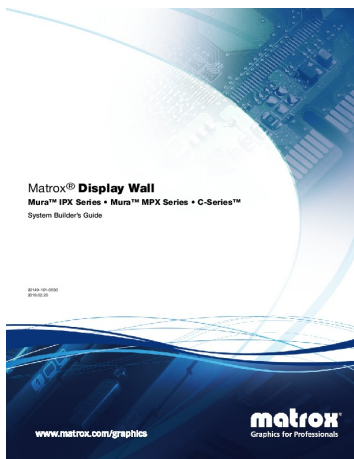
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Acid	1500 FCI 883
Acid	1800 FCI 883
Acid	2200 FCI 883
Acid	2600 FCI 883
Acid	3000 FCI 883
Acid	3500 FCI 883
Acid	4000 FCI 883
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Acid	97000 FCI 883
Acid	97500 FCI 883
Acid	98000 FCI 883
Acid	98500 FCI 883
Acid	99000 FCI 883
Acid	99500 FCI 883
Acid	100000 FCI 883

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ASUS X99 DELUXE II Qualified Vendor List (QVL) - Compatible Components

This comprehensive Qualified Vendor List (QVL) details approved vendors and models for various PC components compatible with the ASUS X99 DELUXE II motherboard, including power supplies, storage devices (HDD, SSD, M.2, PCIe), peripherals, audio, networking, graphics cards, and more.

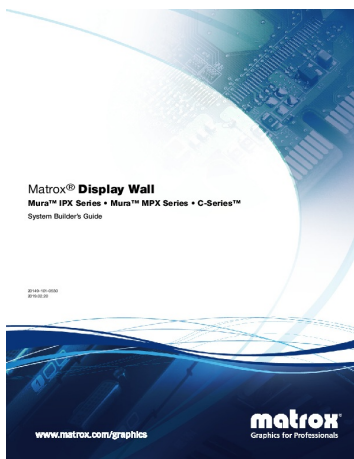
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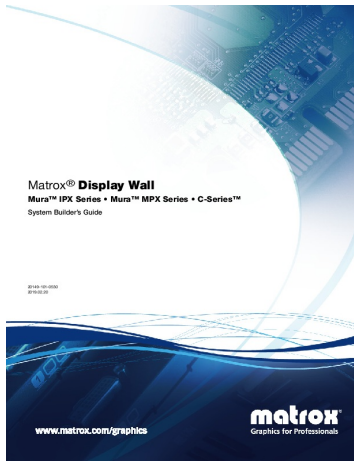
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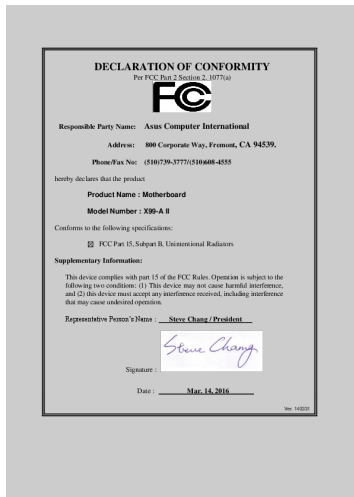
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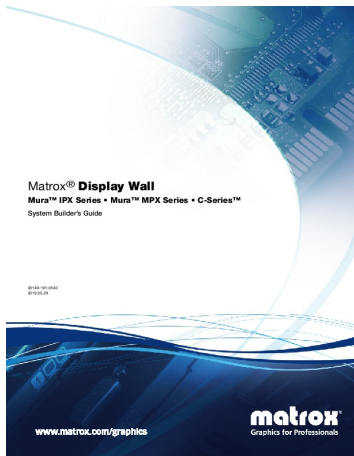


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DECLARATION OF CONFORMITY gene EMC X99 A II FCC QTK Doc d1cdnet asus pub ASUS mb
LGA2011 |||

DECLARATION OF CONFORMITY Per FCC Part 2 Section 2. 1077 a Responsible
Party Name: Asus Computer International Address: 800 Corporate Way, Fremont, CA
94539. Phone/Fax No: 510 739-3777/ 510 608-4555 hereby declares that the product
Product Name : Motherboard Model Number : **X99-A II** Conforms to the...

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[Matrox Display Wall System Builder's Guide: Mura IPX, MPX, and C-Series](#)

This comprehensive guide from Matrox provides essential technical details and
configuration information for building advanced display wall systems. It covers the
Mura™ IPX Series, Mura™ MPX Series, and C-Series™ product lines, offering in-
depth insights for system integrators and professionals.

lang:sw **score:26** filesize: 13.64 M page_count: 185 document date: 2019-05-29

DECLARATION OF CONFORMITY
Per FCC Part 2, Subpart B, 107.7(a)

FC

Responsible Party Name: Asus Computer International
Address: 800 Corporate Way, Fremont, CA 94539.
Phone/Fax No: (510)739-3777/(510)608-4555

hereby declares that the product

Product Name : Motherboard
Model Number : X99-A II

Conforms to the following specifications:
□ FCC Part 15, Subpart B, Unintentional Radiators

Supplementary Information:
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.

Representative Person's Name : Steve Chang / President
Signature : *Steve Chang*
Date : Mar. 14, 2016

Ver. 140301

[pdf] Specifications Declaration of Conformity Test Report

EMC X99 A II FCC QTK Doc rpa model x99a ii dlcdnets asus pub ASUS mb LGA2011 |||

DECLARATION OF CONFORMITY Per FCC Part 2 Section 2. 1077 a Responsible Party Name: Asus Computer International Address: 800 Corporate Way, Fremont, CA 94539. Phone/Fax No: 510 739-3777/ 510 608-4555 hereby declares that the product Product Name : Motherboard Model Number : **X99-A II** Conforms to th...

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DECLARATION OF CONFORMITY
Per FCC Part 2, Subpart B, 107.7(a)

FC

Responsible Party Name: Asus Computer International
Address: 800 Corporate Way, Fremont, CA 94539.
Phone/Fax No: (510)739-3777/(510)608-4555

hereby declares that the product

Product Name : Motherboard
Model Number : X99-DELUXE II

Conforms to the following specifications:
□ FCC Part 15, Subpart B, Unintentional Radiators

Supplementary Information:
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.

Representative Person's Name : Steve Chang / President
Signature : *Steve Chang*
Date : Mar. 21, 2016

Ver. 140301

[pdf] Specifications Declaration of Conformity Test Report

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DECLARATION OF CONFORMITY Per FCC Part 2 Section 2. 1077 a Responsible Party Name: Asus Computer International Address: 800 Corporate Way, Fremont, CA 94539. Phone/Fax No: 510 739-3777/ 510 608-4555 hereby declares that the product Product Name : Motherboard Model Number : X99-DELUXE II Conforms t...

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CE

CE

CE

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(marcado CE de conformidad)

Firma	Taipei
Jerry Shen	Lugar de emisión
Nombre impreso	14/03/2016
CEO	Fecha de emisión
Posición	2016
	Año en que se colocó el marcado CE por primera vez

[\[pdf\]](#) Decleration of Conformity

EMC X99 A II CE QTK Doc ES rpa model x99a ii dlcdnets asus pub ASUS mb LGA2011 |||

UE Declaraci n de Conformidad Nosotros, los abajo firmantes, Fabricante: Direcci n:

Representante a ... HARKORT STR. 21-23, 40880 RATINGEN GERMANY Nombre

del aparato : Motherboard Nombre del modelo : **X99-A II** El objeto de la declaracin

descrita anteriormente es conforme con la legislacin de armoniz...

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IN SEARCH OF INCREDIBLE

VR-FRIENDLY : Dual HDMI Ports design!!

■ **Perfectly matched with ASUS X99-A II motherboards**

Optimized style and performance

ASUS GeForce® GTX 1080 graphics and X99-A II motherboards share perfectly matching color themes and are ready for Windows 10. GeForce® GTX 1080 is equipped with DirectX 12 to square more graphics performance from the GPU and prevent city-bottlenecks.





■ **GPU Tweak II with Xsplit Gamecaster**

Tweak Till Your Heart's Content

With an intuitive new UI, GPU Tweak II makes overclocking easier than ever, and features Game Booster to maximize graphics performance and Xsplit Gamecaster to stream or record your game.

Free 1 year premium Xsplit Gamecaster (USD 99.95 /yr)



■ **AUTO-EXTREME TECHNOLOGY**

An industry only, 100% automated production process that incorporates Super Alloy Power II components for premium quality and best reliability.





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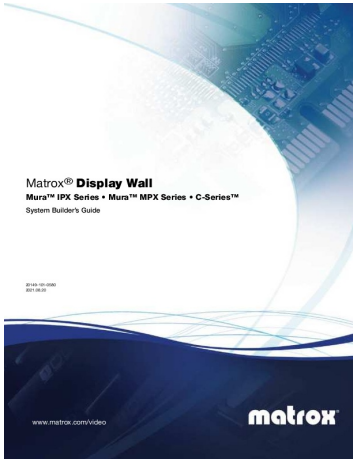
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.....151 ASUS **X99-A II**

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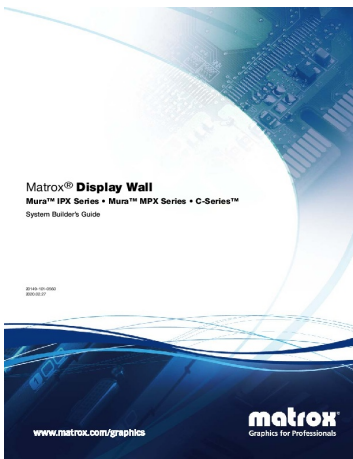


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DT166 X99 DELUXE II BIOS Manual dlcndnet asus 80 pub ASUS mb LGA2011 DLX

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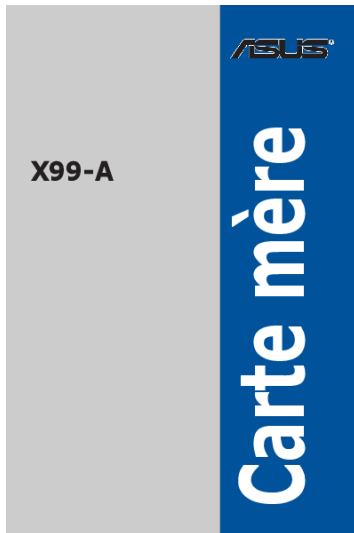


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.....133 ASUS **X99-A II**

lang:sw **score:22** filesize: 4.64 M page_count: 195 document date: 2020-02-27



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lang:sw **score:21** filesize: 8.7 M page_count: 142 document date: 2014-09-17

The image is a screenshot of a table titled 'Intel® XMP Extreme Memory Profiles for Core™ Processors'. It contains multiple columns of data, including memory frequency (e.g., 1600 MHz, 1866 MHz, 2133 MHz, 2400 MHz), CAS latency (e.g., 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100), and other memory-related specifications. The table is organized into several sections, each corresponding to a different memory frequency and CAS latency combination.

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Intel® XMP Ready Extreme Memory Profiles for Core™ Processors core processors i7 ddr3 unbuffered dimms memory suppliers datasheet xmp extreme profile profiles Intel Corporation Nov 1 2017 · LGA 2011 3 Corsair 6800K DDR4 UDIMM CMK128GX4M8A2666C16 Asus X99 Deluxe II 02 0601 2016 07 04 2666MHz 2 16 18 35 intel 20171101 la content dam www public us en documents datasheets ||| Extreme Memory Profiles for Intel Processors Speed Voltage Cas Latency / Timing Kit Capacity DIMM ... 1.03/1702 MSI Z170A XPOWER GAMING TITANIUM EDITION 3.1/1.75 ASROCK X99X KILLER 1.07/L3.02 ASUS **X99-A II** 1.02 / 0601 ASUS Z170 DELUXE 1.03/1702 MSI Z170A XPOWER GAMING TITANIUM EDITION 3.1/...

lang:tl **score:20** filesize: 1.07 M page_count: 20 document date: 2018-01-05

Appendix

Q-Code table

Code	Description
00	Not used
01	Power on, Reset type detection (soft/hard)
02	AP initialization before microcode loading
03	System Agent initialization before microcode loading
04	PCH initialization before microcode loading
05	Microcode loading
06	AP initialization after microcode loading
07	System Agent initialization after microcode loading
08	PCH initialization after microcode loading
09	Cache initialization
0A	Reserved for future AMI BIOS error codes
0C ~ 0D	Microcode not found
0E	Microcode not loaded
0F	PEI Core is started
10 ~ 11	Pre-memory CPU initialization is started
12 ~ 13	Pre-memory System Agent initialization is started
14 ~ 15	Pre-memory PCH initialization is started
16 ~ 17	Memory initialization
18 ~ 19	Reserved for ASL-type ASL Data Codes (see below)
20 ~ 21	Memory installed
22 ~ 23	CPU post-memory initialization
24 ~ 25	PostMemory System Agent initialization is started
26 ~ 27	PostMemory PCH initialization is started
28 ~ 29	DRAM PCH is started
30 ~ 31	Memory initialization error: invalid memory type or incompatible memory speed
32 ~ 33	Unspecified memory initialization error
34 ~ 35	Memory not installed
36 ~ 37	Invalid CPU type or speed
38 ~ 39	CPU mismatch
40 ~ 41	CPU self test failed or possible CPU cache error
42 ~ 43	CPU microcode is not found or micro-code update is failed
44 ~ 45	Invalid CPU error
46 ~ 47	Reset PPI is not available
48 ~ 49	Reserved for future AMI error codes

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ASUS X99-DELUXE II Series A.1

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Appendix Appendix Q-Code table Code 00 01 02 03 04 06 Description Not used Power on. Reset type detection soft/hard . AP initialization before microcode loading System Agent initialization before microcode loading PCH initialization before microcode loading Microcode loading 07 AP initializat...

lang:en score:19 filesize: 825.21 K page_count: 12 document date: 2018-07-30

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Comprehensive user manual for the ASUS X99-DELUXE II Series Motherboard, covering detailed installation procedures, BIOS setup configurations, RAID support, and full product specifications. Essential guide for PC builders and enthusiasts.
lang:en score:19 filesize: 14.51 M page_count: 128 document date: 2016-03-31

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lang:en score:19 filesize: 1.16 M page_count: 4 document date: 2016-07-18

Appendix

Q-Code table

Q-Code	Description
00	Not Used
01	Power on. Reset type detection (soft/hard)
02	AP initialization before microcode loading
03	System Agent initialization before microcode loading
04	PCH initialization before microcode loading
06	Microcode loading
07	AP initialization after microcode loading
08	System Agent initialization after microcode loading
09	PCH initialization after microcode loading
0A	Cache initialization
0C ~ 0D	Reserved for future AML SEC error codes
0E	Microcode not found
0F	Microcode not loaded
10	PEI Core is started
11 ~ 14	Pre-memory CPU initialization is started
15 ~ 18	Pre-memory System Agent initialization is started
19 ~ 1C	Pre-memory PCH initialization is started
1D ~ 1F	Memory initialization
20	Reserved for AML (see AML Data Codes section below)
21	Memory installed
22 ~ 26	CPU post-memory initialization
27 ~ 2A	Post-Memory System Agent initialization is started
2B ~ 2E	Post-Memory PCH initialization is started
2F	DRAM ECC is tested
30 ~ 33	Memory initialization error. Invalid memory type or incompatible memory speed
34	Unspecified memory initialization error
35	Memory not installed
36	Invalid CPU type or Speed
37	CPU mismatch
38	CPU self test failed or possible CPU cache error
39	CPU microcode is not found or micro-code update is failed
3A	Internal CPU error
3B	Reset PPI is not available
3C ~ 3F	Reserved for future AML error codes

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Appendix Appendix Q-Code table Code 00 01 02 03 04 06 Description Not used
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System Agent initialization before microcode loading PCH initialization before
microcode loading Microcode loading 07 AP initializat...
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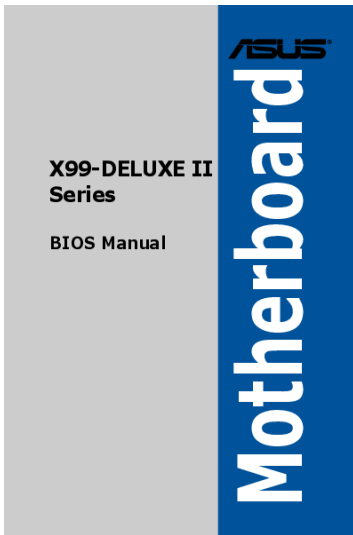
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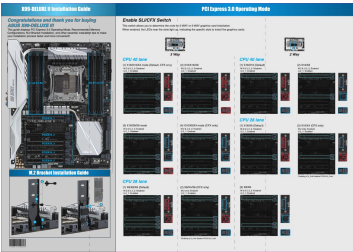
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ASUSTek Computer Inc. Cashback promotion Terms and Conditions

This cashback promotion "MB & CPU International" ("promotion") will be executed by ASUSTek Computer Inc. ("ASUS"). The customers accept the following terms and conditions ("T&C") by their participation.

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This information about refund and participation, combined with the ASUS Terms of Use Notice and the ASUS Privacy Policy are the basis of these T&Cs.

By participating in the promotion the customer agrees on these T&Cs. ASUS is allowed to change these T&Cs at any time without a notice. Participants are obligated to accept these changes.
- Promotion period and setting**

The purchase period goes from May 19th, 2017 – June 30th, 2017 (invoice date). The cashback redemption is possible between July 1st – August 31st, 2017.

All sold promotional products ("promotional products") have to be purchased between May 19th, 2017 – June 30th, 2017 online or at a store in the promotion area (advertisement "promotion area").
- Right to participate**

ASUS employees, employees from affiliate and/or partner or cooperating companies and agencies, dealers, distributors and their employees are excluded from the promotion. Dealers and distributors are not allowed to claim on behalf of their customers.

Participants need to be residents of a country in the promotion area.

The participation is free of charge and unrelated to the purchase of goods or services.
- Subject and rules of participation**

The participant will receive a money cashback via money transfer in € (GBP), depending on the purchased bundle of products (attachment "table").

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そのほか、冷却ファンケーブルは裏面裏面とします。CPUファンケーブルは裏面裏面とします。
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