ASUS TUF B365M-PLUS GAMING (Wi-Fi)

ASUS TUF B365M-PLUS Gaming (Wi-Fi) Motherboard

Instruction Manual

1. Introduction

The ASUS TUF B365M-PLUS Gaming (Wi-Fi) motherboard is engineered for durability and performance, providing a stable foundation for your gaming rig. It features military-grade TUF components, enhanced cooling controls, and integrated Wi-Fi for a robust computing experience. This manual provides essential information for the proper installation, operation, and maintenance of your motherboard.

Overall view of the ASUS TUF B365M-PLUS Gaming (Wi-Fi) Motherboard alongside its retail packaging.

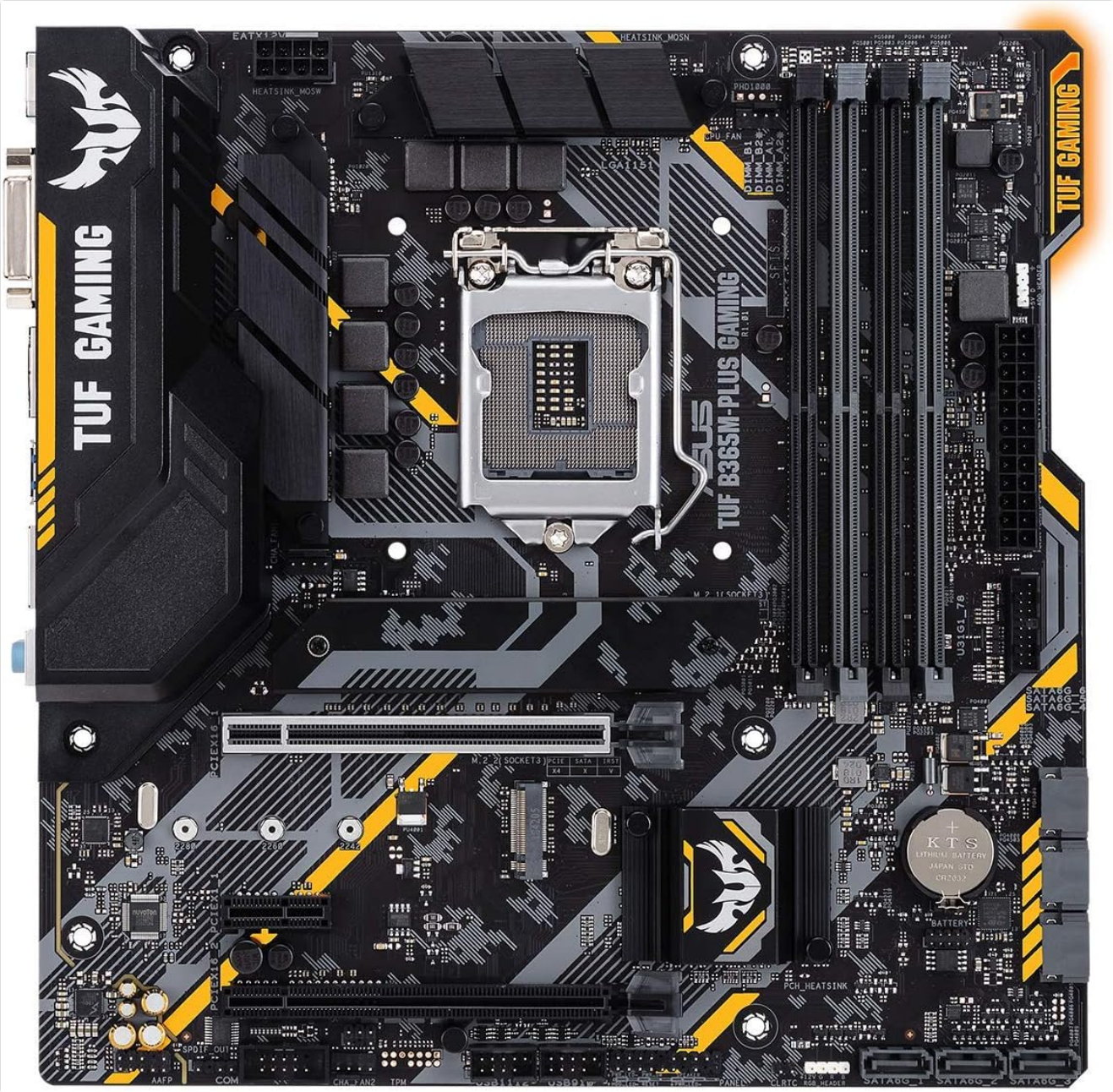
2. Setup Guide

2.1 Pre-Installation Checks

- Ensure you have a compatible CPU (LGA1151 for 8th/9th Gen Intel Core processors).
- Verify RAM compatibility (DDR4, up to 64GB, 2400MHz).
- Prepare a clean, static-free workspace. Use an anti-static wrist strap.

2.2 Motherboard Installation

1. Install the CPU into the LGA1151 socket, aligning the triangle markers.
2. Apply thermal paste and install the CPU cooler.
3. Insert DDR4 memory modules into the DIMM slots until they click into place.
4. Mount the motherboard into your PC case using standoffs and screws.
5. Connect the 24-pin ATX power connector and the 8-pin CPU power connector.
6. Install your graphics card into the primary PCIe x16 slot.
7. Connect storage devices (SATA drives, M.2 SSDs).



Top-down view of the ASUS TUF B365M-PLUS Gaming (Wi-Fi) Motherboard, highlighting the CPU socket, RAM slots, and PCIe slots.

2.3 Connecting Peripherals

- Connect your monitor to the graphics card or motherboard's video output (HDMI, DVI).
- Plug in USB devices (keyboard, mouse) to the rear I/O panel.
- Connect Ethernet cable for wired network or install the bundled Wi-Fi card.
- Connect front panel headers (power button, reset button, USB, audio).

Close-up of the rear input/output (I/O) panel, displaying ports for USB, HDMI, DVI, LAN, and audio.

3. Operating Instructions

3.1 First Boot and BIOS/UEFI Setup

Upon first power-on, the system will typically enter the BIOS/UEFI interface. Here you can configure boot order, system time, and various hardware settings. Refer to the on-screen instructions or the ASUS support website for detailed BIOS navigation.

3.2 Driver Installation

After installing your operating system, install the necessary drivers for the motherboard's components (chipset, audio, LAN, Wi-Fi, graphics). These are typically provided on a support DVD or available for download from the ASUS official website.

3.3 Software Utilities

ASUS provides several utilities to enhance your experience:

- **Fan Xpert 2+:** For flexible cooling control and fan optimization based on thermal sensors.
- **Aura Sync:** To customize and synchronize RGB lighting effects across compatible components.
- **AI Suite 3:** An all-in-one interface for system tuning and monitoring.

Screenshot and diagram explaining Fan Xpert 2+, a flexible cooling control system that monitors thermal sensors and intelligently

manages system fans for optimal performance and quietness.

4. Maintenance

4.1 Cleaning Procedures

Regularly clean dust from your PC case and motherboard components using compressed air. Ensure the system is powered off and unplugged before cleaning. Avoid direct contact with components.

4.2 BIOS Updates

Periodically check the ASUS support website for BIOS updates. BIOS updates can improve system stability, compatibility, and performance. Follow the provided instructions carefully when updating the BIOS to avoid system damage.

4.3 Component Checks

Ensure all cables and components are securely seated. Loose connections can lead to system instability or failure. Check for any visible damage or signs of overheating on components.

5. Troubleshooting

5.1 Common Issues and Solutions

- **No Power/No Boot:** Check all power connections (24-pin ATX, 8-pin CPU). Ensure power supply is functional.
- **No Display:** Verify monitor connection and input source. Reseat graphics card and RAM modules. Try integrated graphics if available.
- **System Instability/Crashes:** Update drivers and BIOS. Test RAM modules individually. Check CPU and GPU temperatures.
- **Bluetooth/Wi-Fi Issues:** Ensure Wi-Fi card is properly installed and antennas are connected. Update wireless drivers. Some users have reported Bluetooth audio issues; ensure drivers are up-to-date and consider external dongles if problems persist.
- **Software Issues:** If ASUS Armoury Crate or other utilities cause issues, ensure they are updated to the latest version or consider reinstalling them.

For more detailed troubleshooting, consult the ASUS support website or contact technical support.

6. Specifications

Feature	Specification
Brand	ASUS
Series	TUF B365M-PLUS GAMING (Wi-Fi)
Model Name	TUF B365M-PLUS GAMING (Wi-Fi)
CPU Socket	LGA 1151
Chipset Type	Intel B365

Feature	Specification
RAM Memory Technology	DDR4
Memory Clock Speed	2400 MHz
RAM Memory Maximum Size	64 GB
Wireless Type	802.11ac
Product Dimensions	9.6 x 9.5 x 1.5 inches
Item Weight	1.8 pounds
Date First Available	August 23, 2019

Graphic demonstrating ASUS OptiMem technology, which improves DDR4 memory stability and reduces crosstalk, alongside an image of the bundled PCIe to M.2 Wi-Fi card for wireless connectivity.

Illustration highlighting the dual onboard M.2 slots and M.2 heatsink for high-speed storage, and indicating support for Intel Optane Memory technology.

7. Warranty and Support

This product comes with a manufacturer's warranty. For detailed warranty terms and conditions, please refer to the documentation included with your product or visit the official ASUS support website. For technical assistance, driver downloads, and further information, please visit www.asus.com/support/.

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Related Documents

	[ASUS AMD Motherboard E-Gift Card Promotion Terms & Conditions] Official terms and conditions for the ASUS AMD X570s and B550s Series Motherboard E-Gift Card promotion, detailing eligibility, redemption steps, and promotional period for Australian and New Zealand residents.
	[ASUS TUF GAMING B760M-PLUS WIFI D4] ASUS TUF GAMING B760M-PLUS WIFI D4
	[ASUS TUF GAMING X570-PLUS (WI-FI) Motherboard User Manual] Comprehensive user guide for the ASUS TUF GAMING X570-PLUS (WI-FI) motherboard. Learn about installation, BIOS setup, specifications, and features for AMD Ryzen processors.
	[ASUS ThunderboltEX 4 Card Compatible Motherboard List] A comprehensive list of ASUS motherboards compatible with the ThunderboltEX 4 expansion card, categorized by Intel Z590, H570, B560, and AMD B550 chipsets.

Documents - ASUS – TUF B365M-PLUS GAMING (Wi-Fi)

iCUE MOTHERBOARD LIGHTING COMPATIBILITY

CORSAIR iCUE supports a growing collection of ASUS Aura Ready motherboards. Features and compatibility vary by model, ASUS Aura Sync Utility version 1.07.79 or newer required.

AURA Ready Motherboards

Platform	Chipset	Mainboard
Intel	Z390	ROG Maximus XI Extreme
Intel	Z390	ROG Maximus XI Formula
Intel	Z390	ROG Maximus XI Apex
Intel	Z390	ROG Maximus XI Code
Intel	Z390	ROG Maximus XI Gene
Intel	Z390	ROG Maximus XI Hero (WI-FI)
Intel	Z390	ROG Maximus XI Hero
Intel	Z390	ROG Strix Z390-E Gaming
Intel	Z390	ROG Strix Z390-F Gaming
Intel	Z390	ROG Strix Z390-H Gaming
Intel	Z390	ROG Strix Z390-I Gaming
Intel	Z390	Prime Z390-A
Intel	Z390	Tuf Z390-PRO Gaming
Intel	Z390	Tuf Z390-PLUS Gaming
Intel	Z390	Tuf Z390-PLUS Gaming (WI-FI)
Intel	Z390	Tuf Z390M-PRO Gaming (WI-FI)
Intel	Z390	Tuf Z390M-PRO Gaming
Intel	Z370	ROG Maximus X Formula
Intel	Z370	ROG Maximus X Code
Intel	Z370	ROG Maximus X Apex
Intel	Z370	ROG Maximus X Hero (Wi-Fi AC)
Intel	Z370	ROG Maximus X Hero
Intel	Z370	ROG Strix Z370-E Gaming
Intel	Z370	ROG Strix Z370-F Gaming
Intel	Z370	ROG Strix Z370-G Gaming (Wi-Fi AC)
Intel	Z370	ROG Strix Z370-G Gaming
Intel	Z370	ROG Strix Z370-I Gaming
Intel	Z370	Prime Z270-A
Intel	Z370	Tuf Z370-Plus Gaming
Intel	H370	Tuf H370-PRO Gaming
Intel	H370	ROG Strix H370-F Gaming
Intel	H370	ROG Strix H370-I Gaming
Intel	H370	Tuf H370-PRO Gaming (Wi-Fi)
Intel	B360	Tuf B360-PLUS Gaming
Intel	B360	ROG STRIX B360-H Gaming/OPTANE
Intel	B360	Tuf B360M-PLUS Gaming
Intel	B360	Tuf B360-PRO Gaming
Intel	B360	Tuf B360M-E Gaming
Intel	B360	Prime B360M-A
Intel	B360	ROG Strix B360-F Gaming
Intel	B360	ROG Strix B360-H Gaming
Intel	B360	Tuf B360-PRO Gaming (WI-FI)
Intel	B360	ROG Strix B360-G Gaming
Intel	B360	ROG Strix B360-I Gaming
Intel	B365	ROG Strix B360-F Gaming
Intel	B365	ROG Strix B360-G Gaming
Intel	B365	Tuf B365M-Plus Gaming
Intel	B365	Tuf B365M-Plus Gaming (WI-FI)
Intel	B365	Tuf B365-Plus Gaming
Intel	B365	Prime B365M-A
Intel	B365	Prime B365M-Plus
Intel	B365	Prime B365M-A/CSM
Intel	H310	Tuf H310-PLUS Gaming
Intel	H310	Tuf H310M-PLUS Gaming
Intel	H310	Prime H310-PLUS
Intel	X299	ROG Rampage VI Extreme Encore
Intel	X299	ROG Strix X299-E Gaming ii
Intel	X299	Prime X299 Edition 30
Intel	X299	Prime X299-A II
Intel	X299	ROG Rampage VI Extreme Omega
Intel	X299	Prime X299-Deluxe II
Intel	X299	Rampage VI Extreme
Intel	X299	Rampage VI Apex
Intel	X299	ROG Strix X299-XE Gaming
Intel	X299	ROG Strix X299-E Gaming
Intel	X299	Tuf X299 Mark 1
Intel	X299	Tuf X299 Mark 2
AMD	sTRX4	ROG Zenith II Extreme Alpha
AMD	sTRX4	ROG Zenith II Extreme
AMD	sTRX4	ROG Strix TRX40-E Gaming
AMD	sTRX4	Prime TRX40-Pro
AMD	X399	ROG Zenith Extreme Alpha
AMD	X399	ROG Zenith Extreme
AMD	X399	ROG Strix X399-E Gaming
AMD	X399	Prime X399-A
AMD	X570	Prime X570-P
AMD	X570	Prime X570-Pro
AMD	X570	ROG Crosshair VIII Hero
AMD	X570	ROG Crosshair VIII Hero (Wi-Fi)
AMD	X570	ROG Crosshair VII Formula
AMD	X570	ROG Strix X570-E Gaming
AMD	X570	ROG Strix X570-F Gaming
AMD	X570	Tuf Gaming X570-PLUS (WI-FI)
AMD	X570	Tuf Gaming X570-PLUS
AMD	X470	ROG Strix X470-I Gaming
AMD	X470	Prime X470-PRO
AMD	X470	Tuf X470-Plus Gaming
AMD	X470	ROG Crosshair VII Hero
AMD	X470	ROG Crosshair VII Hero (WIFI)
AMD	X470	ROG Strix X470-F Gaming
AMD	B450	ROG Strix B450-F Gaming
AMD	B450	ROG Strix B450-E Gaming
AMD	B450	Prime B450-PLUS
AMD	B450	Tuf B450M-PLUS Gaming
AMD	B450	Tuf B450-PLUS Gaming
AMD	B450	Prime B450M-A
AMD	B450	ROG Strix B450-I Gaming
AMD	X370	ROG Crosshair VI Extreme
AMD	X370	ROG Crosshair VI Hero (Wi-Fi AC)
AMD	X370	ROG Crosshair VI Hero
AMD	X370	Prime X370-Pro
AMD	X370	ROG Strix X370-F Gaming
AMD	X370	ROG Strix X370-I Gaming
AMD	B350	ROG Strix B350-F Gaming
AMD	B350	ROG Strix B350-I Gaming

[pdf]

ASUS list iCUE MOTHERBOARD LIGHTING COMPATIBILITY Corsair CORSAIR supports a growing collection of Aura Ready motherboards Features and compatibility vary by model Sync Utility version 1 07 79 or ICUE Motherboard Lighting Compatibility List v1 0 cwsmgmt corsair landing icue mb

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