

FIREBAT U6B

FIREBAT U6B 16-inch QHD Laptop User Manual

Model: U6B

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your FIREBAT U6B 16-inch QHD Laptop. Please read this guide thoroughly to ensure optimal performance and longevity of your device.

2. PRODUCT OVERVIEW

The FIREBAT U6B is a high-performance 16-inch laptop designed for various computing needs. It features a lightweight metal chassis and a vibrant QHD display.



Figure 2.1: Front view of the FIREBAT U6B laptop.



Figure 2.2: Overview of the FIREBAT U6B Ultrabook's main features.

2.1. Ports and Connectors

The laptop is equipped with a variety of ports for connectivity:

- **Left Side:** USB-A 3.2 Gen2 (10Gbps) x 1, USB-C 3.2 Gen2 (10Gbps) x 1 (with DP1.4 video output and 100W PD), HDMI 2.1 TMDs x 1
- **Right Side:** Kensington Security Lock x 1, 3.5mm 2-in-1 Combo Audio Jack x 1, USB-A 2.0 x 1, TF Card Slot x 1, USB-A 3.2 Gen1 (5Gbps) x 1, USB-C 3.2 Gen1 (5Gbps) x 1 (with DP1.4 video output and 100W PD)

16インチ カラーフルIPSディスプレイ

没入体験



高解像度



高リフレッシュ
シュレート



高輝度



広色域



高い画面
占有率

Figure 2.3: Detailed view of the laptop's ports and their functions.

3. SETUP

3.1. Unboxing and Initial Inspection

1. Carefully remove the laptop and accessories from the packaging.
2. Inspect the laptop for any physical damage.
3. Ensure all included accessories (power adapter, manual) are present.

3.2. Connecting the Power Adapter

Connect the provided 100W GaN power adapter to the USB-C port on the laptop and then to a power outlet. It is

recommended to fully charge the battery before first use.

3.3. First Boot and Operating System Setup

Press the dedicated power button to turn on the laptop. Follow the on-screen instructions to complete the Windows 11 initial setup, including language, network connection, and user account creation.

4. OPERATING INSTRUCTIONS

4.1. Power On/Off

- **Power On:** Press the dedicated power button located on the keyboard.
- **Power Off:** Click the Windows Start button, then select Power > Shut down.
- **Sleep Mode:** Close the laptop lid or click the Windows Start button, then select Power > Sleep.

4.2. Keyboard and Touchpad

The laptop features a full-size backlit keyboard and a high-precision touchpad.

- **Backlit Keyboard:** Use the dedicated function key (usually Fn + a specific F-key) to adjust the backlight brightness or turn it on/off.
- **Touchpad:** Supports multi-touch gestures for navigation and control. Refer to Windows settings for customization.



Figure 4.1: The backlit keyboard and touchpad.

4.3. Performance Modes

You can switch between different performance modes by pressing **Fn + Q** to optimize for battery life or performance:

- **Eco Mode:** Maximizes battery life by reducing power consumption. Ideal for light tasks and extended use.
- **Balance Mode:** Offers a balance between performance and power efficiency. Suitable for everyday tasks.
- **High Performance Mode:** Provides maximum power for demanding applications and gaming.

柔軟な切り替えを実現 する3つのモード

FN+Qで素早くモードを切り替え
さまざまな使用シナリオに対応



Figure 4.2: Switching between performance modes using Fn+Q.

5. PERFORMANCE FEATURES

5.1. Processor

The FIREBAT U6B is powered by a robust **AMD Ryzen 5 6600H processor**, featuring 6 cores and 12 threads, with a maximum boost clock of 4.5GHz. This ZEN 3+ architecture-based CPU delivers strong performance for multitasking, productivity, and entertainment.



Figure 5.1: AMD Ryzen 5 6600H processor specifications.

5.2. Graphics

Integrated **AMD Radeon 660M Graphics** with 1900MHz clock speed handle visual tasks, supporting complex design software, UHD video editing, and casual gaming.

5.3. Display

Experience superior visuals on the **16-inch QHD+ (2560x1600) IPS display**. It offers a smooth 120Hz refresh rate and 100% sRGB color accuracy for vivid and detailed images.



Figure 5.2: Key display features for an immersive visual experience.



Figure 5.3: The 16:10 aspect ratio and 2560x1600 high resolution.

5.4. Cooling System

The laptop incorporates an efficient cooling system with dual fans and dual heat pipes. This design maintains stable temperatures and minimizes noise, ensuring quiet operation even under load.

6. STORAGE AND MEMORY

The FIREBAT U6B is equipped with high-speed memory and expandable storage:

- **RAM:** 16GB LPDDR5 6400MHz RAM provides instant responsiveness for applications.
- **Storage:** A 512GB PCIe 3.0 SSD is pre-installed. The laptop features dual M.2 2280 NVMe PCIe 4.0 slots, allowing for easy storage upgrades.

超高速パフォーマンス

柔軟な容量拡張に対応

16GB LPDDR5
6400MHz RAM

(メモリの交換はできません)

デュアルM.2 2280
SSD スロット
PCI-E 4.0 x 4、
最大4TB

(512GB/ハードドライブ搭載)

Wi-Fi 6 (802.11ax)

Bluetooth 5.2



Figure 6.1: High-speed memory and expandable storage options.

7. CONNECTIVITY

Stay connected with the following features:

- **Wireless:** Wi-Fi 6 (802.11ax) for fast and stable internet, and Bluetooth 5.2 for connecting peripherals.
- **Wired Ports:** As detailed in Section 2.1, including HDMI 2.1 and dual USB-C ports with DisplayPort and Power Delivery capabilities.
- **Multi-Monitor Support:** The laptop supports connecting up to three external monitors simultaneously via HDMI 2.1 and the two USB-C (DP) ports.

最大3台のモニターを同時に接続可能

(USB-C x 2 + HDMI x 1)



様々な用途に対応

Figure 7.1: Connecting up to three external monitors for expanded workspace.

8. POWER MANAGEMENT

The FIREBAT U6B is designed for portability and efficient power usage:

- **Battery:** Equipped with a 58Wh (5050mAh) lithium-ion battery.
- **Charging:** Comes with a compact 100W GaN fast charger for quick power replenishment.
- **Power Modes:** Utilize the Eco, Balance, and High Performance modes (Fn+Q) to manage power consumption according to your needs.



Figure 8.1: Battery capacity information.

9. MAINTENANCE

Regular maintenance helps prolong the life and performance of your laptop:

- **Cleaning:** Gently wipe the screen with a microfiber cloth. Use a soft brush or compressed air to clean the keyboard and ventilation grilles. Avoid harsh chemicals.
- **Software Updates:** Keep your Windows operating system and device drivers updated to ensure security and optimal performance.
- **Storage Management:** Periodically delete unnecessary files and empty the recycle bin to free up storage space.
- **Battery Care:** Avoid fully discharging the battery frequently. For long-term storage, charge the battery to about 50-60%.

10. TROUBLESHOOTING

This section addresses common issues you might encounter:

Problem	Possible Solution
Laptop does not power on.	Ensure the power adapter is securely connected and the battery is charged. Try a different power outlet.
Display is blank or flickering.	Check display settings in Windows. If using an external monitor, ensure cables are connected correctly. Try updating graphics drivers.
System performance is slow.	Close unnecessary applications. Check for background processes. Ensure the cooling vents are not obstructed. Switch to High Performance mode (Fn+Q).
Wi-Fi or Bluetooth not working.	Toggle Wi-Fi/Bluetooth on/off in Windows settings. Restart the laptop. Update wireless drivers.
Keyboard backlight not working.	Press the dedicated function key (e.g., Fn + F-key) to activate or adjust the backlight.

11. SPECIFICATIONS

Feature	Detail
Brand	FIREBAT
Model Name	U6B
Screen Size	16 Inches
Color	Gray
Hard Disk Capacity	512 GB
CPU Model	Ryzen 5 (6600H)
Installed RAM Size	16 GB LPDDR5 6400MHz
Operating System	Windows 11
Special Features	HD Audio, Backlit Keyboard, Lightweight
Graphics Card Description	Integrated (AMD Radeon 660M)
Product Weight	1.7 Kilograms
Product Dimensions (LxWxH)	36 x 25 x 1.9 cm
Display Max Resolution	2560x1600 Pixels
Refresh Rate	120 Hz
Color Gamut	100% sRGB
Wireless Communication	Bluetooth 5.2, Wi-Fi 6 (802.11ax)
USB Ports	5 (including USB-C with DP/PD)
HDMI Ports	1 (HDMI 2.1)
M.2 Slots	2 (NVMe PCIe 4.0)
Battery Type	Lithium Metal (58.33 Wh)
Included Components	Laptop x1, Power Adapter x1

12. WARRANTY AND SUPPORT

Your FIREBAT U6B laptop comes with a **12-month warranty** from the date of purchase.

For technical support, warranty claims, or any inquiries, please contact us:

- **Email:** support@firebatpc.com
- **Website:** www.firebatpc.com

Please have your product model (U6B) and purchase information ready when contacting support.

