MSI PREA16A3H016

MSI Prestige A16 AI+ (2024) User Manual

Model: PREA16A3H016

1. Introduction

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your MSI Prestige A16 AI+ (2024) laptop. Please read this manual thoroughly to ensure proper usage and to maximize the performance and longevity of your device.

Product Overview

The MSI Prestige A16 AI+ (2024) is a 16-inch QHD+ business laptop designed for productivity and AI-powered tasks. It features an AMD Ryzen AI 9-365 processor, Radeon Graphics, 32GB LPDDR5x RAM, and a 1TB NVMe SSD. Key features include:

- AI Built-in: Optimized for generative AI tools and digital assistants with AMD Ryzen AI 9 365 processors.
- QHD+ Display: A 16-inch 165Hz touch display offering vibrant colors and sharp details.
- Wireless Reimagined: Equipped with Wi-Fi 7 for high-speed data streaming and downloads.
- Simplistic Design: Runs on Windows 11 Home, providing a user-friendly experience.



Figure 1.1: MSI Prestige A16 AI+ Laptop in Urban Silver.

2. Setup

2.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed below are present and undamaged:

- Notebook
- Charger
- User Manual (this document)

If any items are missing or damaged, please contact your retailer or MSI customer support immediately.

2.2 Connecting Power

Before first use, ensure the laptop is fully charged. Connect the charger to the laptop's power input port and then to a wall outlet. The charging indicator light will illuminate.

2.3 First Boot and Windows Setup

Press the power button to turn on the laptop. Follow the on-screen instructions to complete the Windows 11 Home setup process. This includes selecting your region, connecting to a Wi-Fi network, and creating a user account.



Figure 2.1: The laptop features a webcam shutter and Windows Hello for secure access.

3. Operating Instructions

3.1 AI Capabilities with AMD Ryzen AI 9-365 Processor

The MSI Prestige A16 AI+ is equipped with an AMD Ryzen AI 9-365 processor, featuring a Neural Processing Unit (NPU) for enhanced AI performance. This allows for faster execution of AI-driven applications, including generative AI tools and digital assistants.



Figure 3.1: Overview of AI capabilities and core specifications including NPU, 1TB NVMe SSD, LPDDR5x 32GB memory, and QHD+ 165Hz resolution.

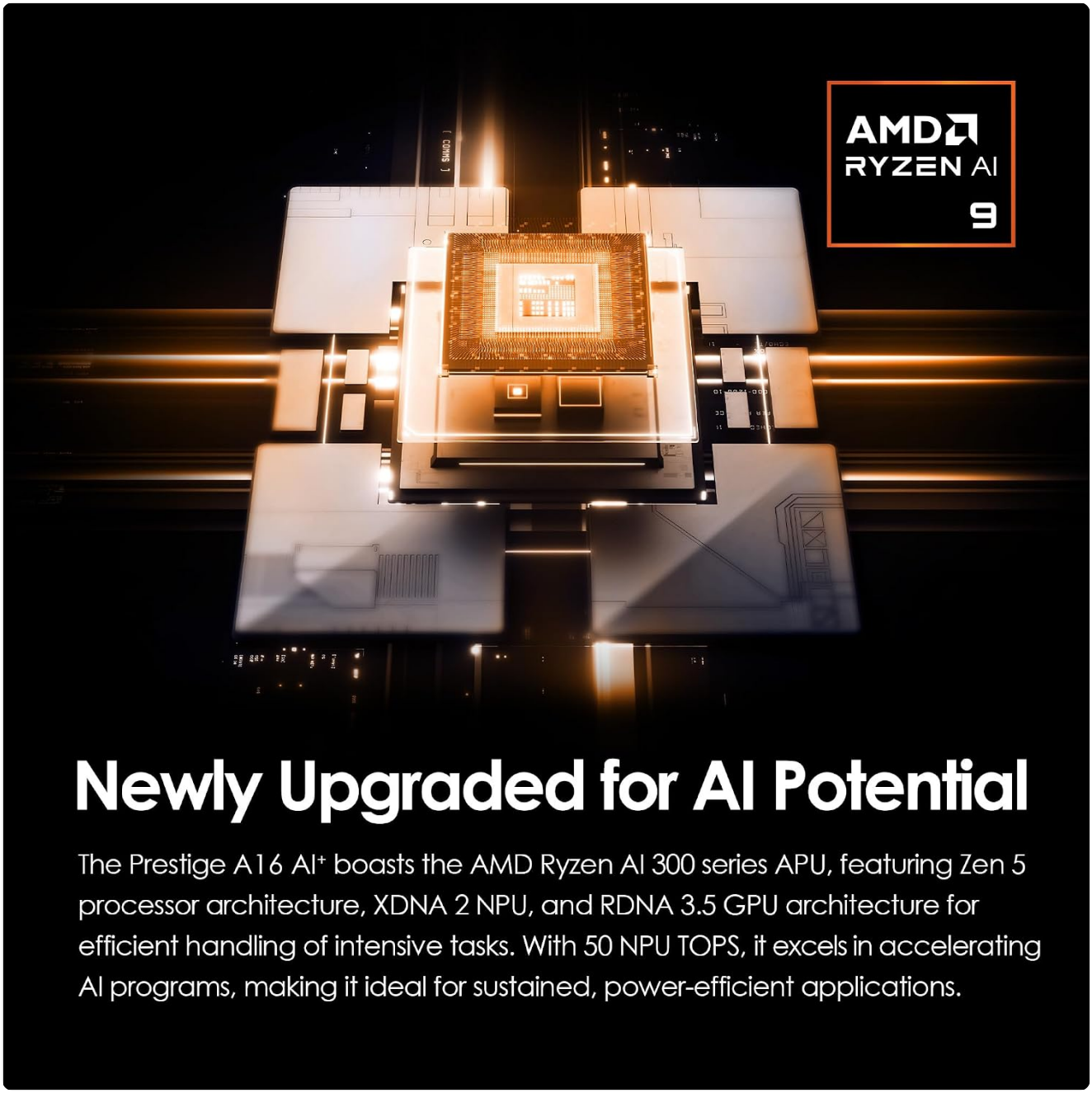


Figure 3.2: Close-up of the AMD Ryzen AI 9 processor, highlighting its AI potential.

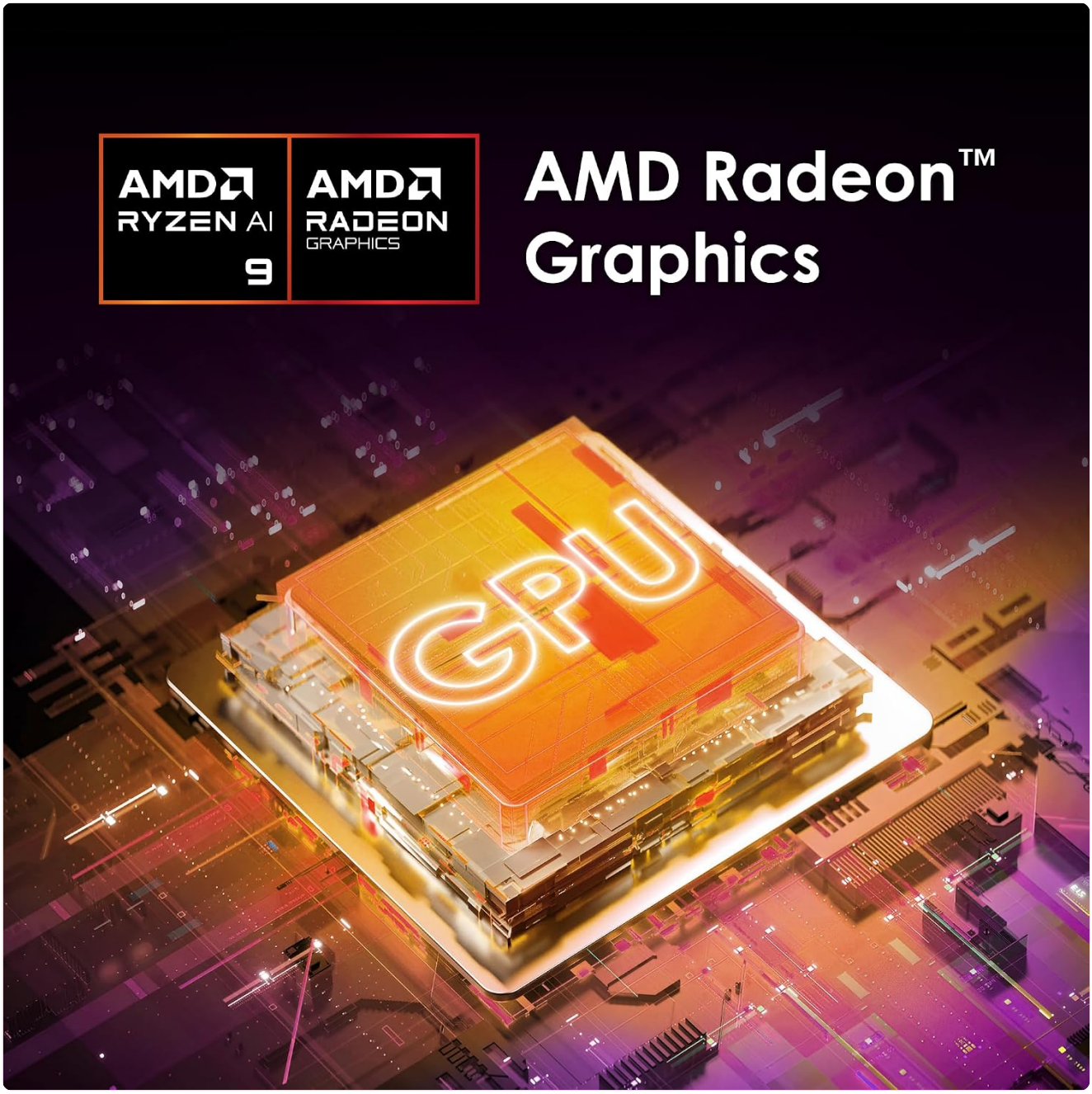


Figure 3.3: Visual representation of the integrated AMD Radeon Graphics.

3.2 Display Features

The 16-inch QHD+ display with a 16:10 aspect ratio provides an expansive and comfortable visual experience. The 165Hz refresh rate ensures smooth visuals, ideal for both work and entertainment.



Figure 3.4: The 16:10 Golden Ration Display, QHD+ Resolution, and 165Hz Refresh Rate for an immersive visual experience.

3.3 Connectivity and Ports

The laptop features a range of ports for productivity and connectivity:

- Audio Combo Jack
- microSD Card Reader
- USB 3.2 Gen2 Type-A
- HDMI 2.1 (supports 8K@60Hz / 4K@120Hz)
- USB4 Type-C / DP / PD 3.0 Charging (Thunderbolt 4 Compatible)

Wireless connectivity is provided by Wi-Fi 7 and Bluetooth 802.11ax, ensuring fast and reliable connections.



Figure 3.5: Side view illustrating the various I/O ports for enhanced productivity.

3.4 Security Features

The Prestige A16 AI+ incorporates several security features to protect your data and privacy:

- Webcam Shutter: Provides physical privacy protection for your webcam.
- Windows Hello: Enables easy and secure login using facial recognition or fingerprint reader.
- Discrete TPM 2.0 Chip: Offers hardware-based security for sensitive data.

3.5 Audio and Video Enhancements

For clear communication and multimedia experiences, the laptop includes:

- FHD Camera & 3D Noise Reduction+ (3DNR+): Improves image quality during video conferences.
- AI Noise Cancellation Pro: Utilizes a Spatial Array Microphone (3-Mics) to eliminate background noise and capture directional audio.

3.6 Battery Life

The laptop is designed for extended battery life, allowing for prolonged use on the go. Actual battery life may vary based on usage patterns and settings.

3.7 Official Product Video

Your browser does not support the video tag.

Video 3.1: Official MSI Prestige A16 AI+ Product Video. This video provides a visual overview of the laptop's features and design.

4. Maintenance

4.1 Cleaning Your Laptop

- **Screen:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner. Do not spray liquid directly onto the screen.
- **Keyboard and Chassis:** Use a soft, dry cloth. For stubborn dirt, a slightly dampened cloth with mild soap solution can be used, ensuring no liquid enters the device.
- **Vents:** Periodically use compressed air to clear dust from the cooling vents to maintain optimal airflow.

4.2 Battery Care

- Avoid extreme temperatures.
- Do not fully discharge the battery frequently.
- If storing the laptop for an extended period, charge the battery to about 50-60% before turning it off.

5. Troubleshooting

This section addresses common issues you might encounter with your MSI Prestige A16 AI+ laptop.

Problem	Possible Cause	Solution
Laptop does not power on.	Low battery or power adapter issue.	Ensure the power adapter is securely connected and the battery is charged. Try a different outlet.
Screen blinking or flickering.	Display driver issue or loose connection.	Update graphics drivers. Try closing and reopening the lid. If connected to an external monitor, check the cable.
Trackpad not responding.	Driver issue or disabled trackpad.	Ensure the trackpad is not disabled via a function key (Fn + F key combination, check keyboard icons). Update trackpad drivers.
Wi-Fi connectivity issues.	Router problem or driver issue.	Restart your router and laptop. Update Wi-Fi drivers. Check network settings.
Slow performance.	Too many applications running, low disk space, or overheating.	Close unnecessary applications. Free up disk space. Ensure vents are clear and laptop is on a hard, flat surface.

6. Specifications

Feature	Detail
Brand	MSI
Model Name	Prestige A16 AI+ A3HMG-016US
Item Model Number	PREA16A3H016
Standing Screen Display Size	16 Inches
Screen Resolution	2560 x 1600 pixels (QHD+)
Processor	AMD Ryzen AI 9-365 (2 GHz)
RAM	32 GB LPDDR5x
Hard Drive	1 TB NVMe SSD
Graphics Card Description	Radeon
Wireless Type	Bluetooth, 802.11ax (Wi-Fi 7)
Number of USB 3.0 Ports	1
Operating System	Windows 11 Home
Item Weight	4.19 pounds
Product Dimensions	14.09 x 0.68 x 10.18 inches
Color	Silver
Batteries	1 Lithium Polymer battery (included)

7. Warranty and Support

For warranty information and technical support, please refer to the official MSI website or contact MSI customer service. Keep your purchase receipt as proof of purchase.
You can find more information and support resources at the official MSI storeMSI Store on Amazon

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