

## HISTTON H6-i7-10810U

# HISTTON H6 Fanless Industrial Mini PC User Manual

Model: H6-i7-10810U

## 1. INTRODUCTION

This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your HISTTON H6 Fanless Industrial Mini PC. This compact and powerful system features an Intel Core i7-10810U processor, 16GB DDR4 RAM, and a 512GB M.2 SSD, running Windows 11 Pro. It is designed for various applications requiring stable performance and multiple connectivity options.



Image 1.1: The HISTTON H6 Fanless Industrial Mini PC.

## 2. WHAT'S IN THE BOX

Verify that all items are present in the package:

- 1 x HISTTON H6 Mini PC
- 1 x Power Adapter
- 1 x User Manual
- 1 x HDMI Cable
- 1 x VESA Mount
- 8 x Screws for VESA Mount/Storage
- 2 x WiFi Antennas
- 2 x SATA Cables (for 2.5-inch drive installation)

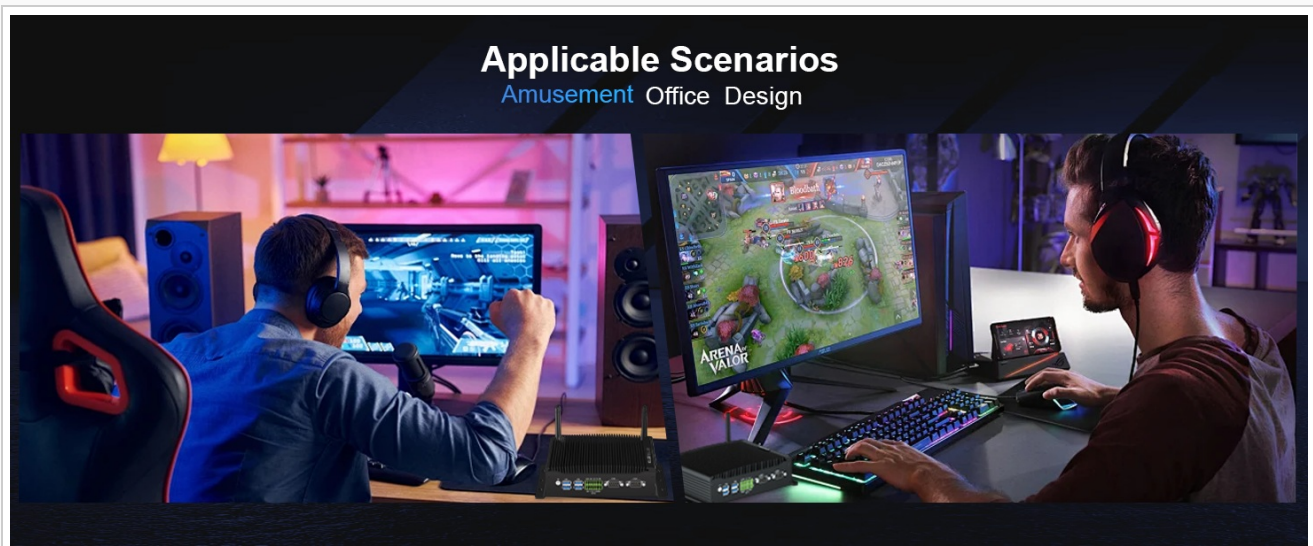


Image 2.1: Package contents including the Mini PC, power adapter, cables, antennas, and VESA mount.

## 3. PRODUCT OVERVIEW

### 3.1 Key Features

- **Processor:** Intel Core i7-10810U (10th Gen, 6 Cores, 12 Threads, up to 4.90 GHz)
- **Graphics:** Intel UHD Graphics for 10th Gen Processors, supporting 4K resolution.
- **Memory:** 16GB DDR4 RAM (expandable up to 64GB via 2 SO-DIMM slots)
- **Storage:** 512GB M.2 NVMe PCIe 3.0x4 / SATA 3 SSD, with an additional 2.5-inch SATA HDD/SSD slot.
- **Display Output:** Dual HD (HDMI) and one DP (DisplayPort) for triple 4K display support.
- **Network:** Dual Gigabit Ethernet LAN (RJ-45), Dual-band 2.4G+5.0G WiFi (WIFI5), Bluetooth 4.2.
- **Ports:** 4x USB 3.0, 2x HD, 1x DP, 2x RS232/RS485 COM, 1x 14 Pin GPIO, 1x SPK (Audio Out), 1x MIC (Audio In).
- **Cooling:** Fanless design for silent operation and excellent heat dissipation.
- **Operating System:** Pre-installed Windows 11 Pro 64-bit (activated).

### 3.2 Internal Components

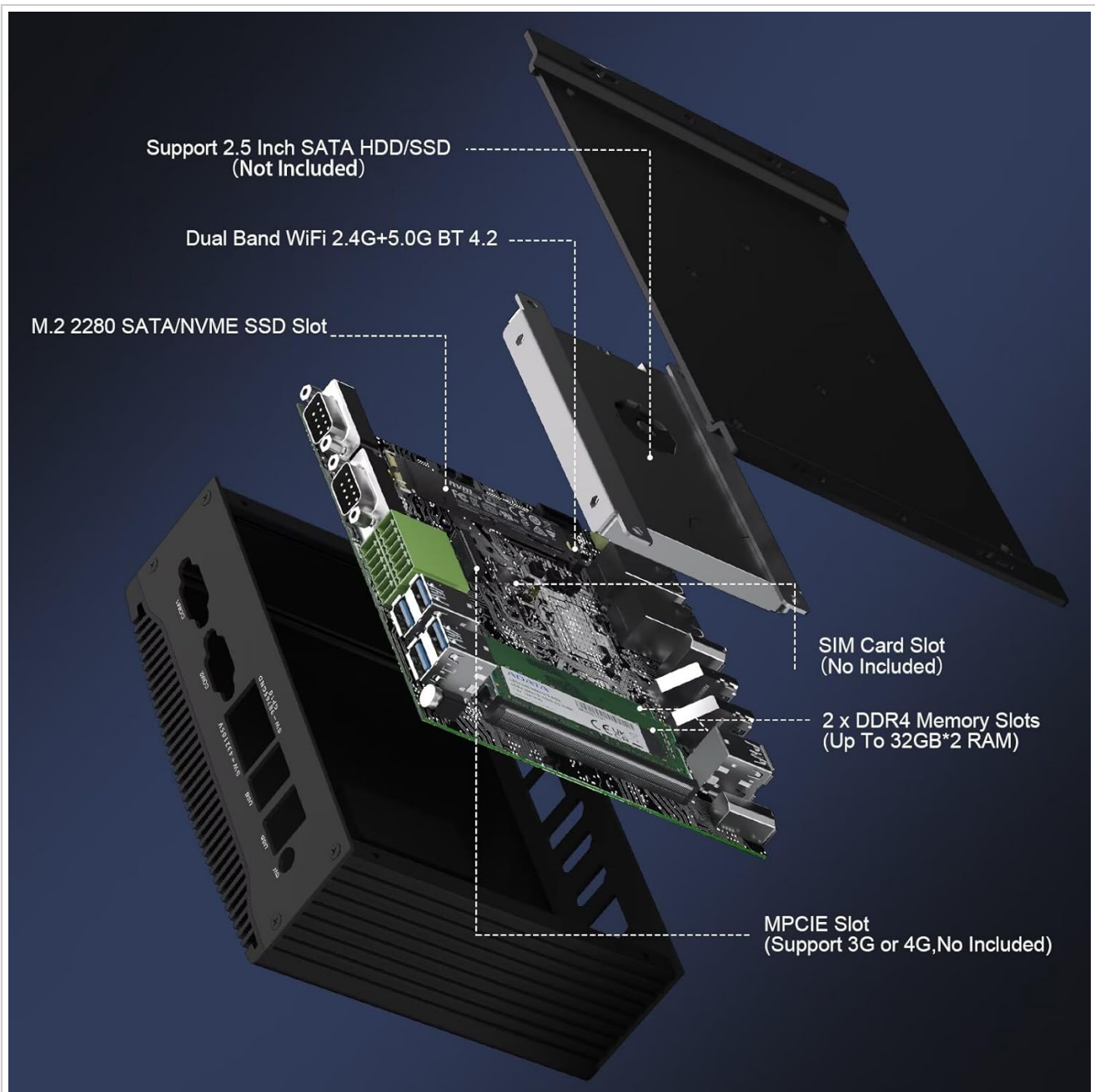


Image 3.1: Internal layout highlighting the M.2 2280 slot, DDR4 RAM slots, and SATA 3.0 slot.

The internal design allows for easy upgrades of RAM and storage. The system supports up to 64GB DDR4 RAM and includes slots for both M.2 NVMe/SATA SSDs and 2.5-inch SATA HDDs/SSDs.

### 3.3 Port Layout

# Multiple Interfaces For Multiple Purposes



Default RS232 Mode  
Support Change To RS422/RS485



2 x Gigabit Ethernet  
Support Firewall Function

1 x Power Button  
4 x USB 3.0  
1 x 14 Pin GPIO Port  
2 x COM Ports



1 x HD 2.0 (No Audio Output)

1 x 3.5mm Audio Input

1 x 3.5mm Audio Output



1 x DC 12V 5A

2 x USB 2.0

1 x HD 1.4

1 x DP

2 x Gigabit LAN

Image 3.2: Detailed view of the front and rear ports, including USB, HD, DP, LAN, COM, and GPIO.

The Mini PC offers a comprehensive set of ports for various industrial and personal applications. The front panel includes the power button, USB 3.0 ports, and GPIO/COM ports. The rear panel features audio jacks, Gigabit LAN ports, HD (HDMI) ports, a DisplayPort, USB 2.0 ports, and the DC power input.

## 4. SETUP INSTRUCTIONS

### 4.1 Initial Connection

1. **Connect Antennas:** Screw the two WiFi antennas onto the corresponding connectors on the rear of the Mini PC.
2. **Connect Display:** Connect your monitor(s) to the HD (HDMI) and/or DP (DisplayPort) outputs using the provided HDMI cable or a compatible DP cable. The device supports up to three displays simultaneously.
3. **Connect Peripherals:** Plug in your USB keyboard and mouse into the available USB ports.
4. **Connect Network (Optional):** For a wired connection, connect an Ethernet cable to one of the Gigabit LAN ports.
5. **Connect Power:** Plug the power adapter into the DC IN port on the Mini PC, then connect the adapter to a



power outlet.

## 4.2 Power On

Press the power button located on the front panel of the Mini PC. The system will boot up, and Windows 11 Pro will load automatically.

## 4.3 VESA Mounting (Optional)

The Mini PC can be mounted to the back of a VESA-compatible monitor or to a wall using the included VESA mount and screws. Attach the VESA bracket to the Mini PC, then secure the bracket to your desired mounting location.

# 5. OPERATING INSTRUCTIONS

## 5.1 Operating System

Your HISTTON H6 Mini PC comes with Windows 11 Pro pre-installed and activated. Follow the on-screen prompts for initial Windows setup, including user account creation and network configuration.



Image 5.1: The Mini PC running Windows 11 Pro.

## 5.2 Triple Display Setup

The Mini PC supports connecting up to three independent displays simultaneously via its two HD (HDMI) ports and one DP (DisplayPort). To configure multiple displays:

1. Connect all desired monitors to the available video output ports.
2. Right-click on the desktop and select "Display settings."
3. Windows should detect all connected displays. You can arrange them, change their resolution, and set their orientation.
4. Choose between "Extend these displays" to have a larger desktop area or "Duplicate these displays" to mirror content.



Image 5.2: Triple 4K display output configuration.

### 5.3 Network Connectivity

The Mini PC offers both wired and wireless networking options:

- **Wired LAN:** Connect an Ethernet cable to either of the two Gigabit LAN ports for a stable, high-speed internet connection.
- **Wi-Fi:** The built-in Dual-band (2.4G+5.0G) Wi-Fi 5 module provides wireless internet access. To connect, click the Wi-Fi icon in the system tray, select your network, and enter the password.
- **Bluetooth:** Bluetooth 4.2 allows connection to compatible wireless peripherals such as keyboards, mice, and headphones. Access Bluetooth settings via the Windows Settings menu.



Image 5.3: High-speed network capabilities including Wi-Fi and Gigabit Ethernet.

## 5.4 GPIO and COM Ports

The 14-pin GPIO and 2x RS232/RS485 COM ports are designed for industrial applications and specialized peripheral connections. Refer to the specific documentation for your industrial equipment or custom applications for proper configuration and usage of these ports.

## 6. MAINTENANCE

### 6.1 Cleaning

- Ensure the device is powered off and unplugged before cleaning.
- Use a soft, dry cloth to wipe the exterior of the Mini PC.
- Avoid using liquid cleaners or sprays directly on the device.

### 6.2 Software Updates

Regularly update your Windows operating system and drivers to ensure optimal performance and security. Access Windows Update through the Settings menu.

### 6.3 Storage and RAM Upgrades

The Mini PC supports upgrades for both RAM and storage. If you plan to upgrade, ensure the device is powered off and unplugged. Refer to the internal component diagram (Image 3.1) for slot locations. Use compatible DDR4 SO-DIMM modules and M.2 2280 NVMe/SATA SSDs or 2.5-inch SATA drives.

## 7. TROUBLESHOOTING

- **No Power:** Ensure the power adapter is securely connected to both the Mini PC and a working power outlet. Test the outlet with another device.
- **No Display:** Verify that the monitor is powered on and correctly connected to the Mini PC. Try a different video cable or monitor if available. Ensure the correct input source is selected on your monitor.
- **No Internet Connection:** For wired connections, check the Ethernet cable and router status. For Wi-Fi, ensure antennas are attached, Wi-Fi is enabled in Windows, and you are connected to the correct network with the right password.
- **System Slowdown:** Check Task Manager for high CPU or RAM usage by specific applications. Ensure sufficient free storage space. Consider performing a disk cleanup or system scan for malware.

- **Peripheral Not Detected:** Try connecting the peripheral to a different USB port. Ensure drivers are installed if required.

## 8. SPECIFICATIONS

Feature	Specification
Processor	Intel Core i7-10810U (1.1 GHz base, up to 4.90 GHz)
Graphics	Intel UHD Graphics for 10th Gen Intel Processors
RAM	16 GB DDR4 (2x SO-DIMM slots, max 64GB)
Storage	512 GB M.2 NVMe PCIe 3.0x4 / SATA 3 SSD, 1x 2.5-inch SATA HDD/SSD slot
Operating System	Windows 11 Pro
Max Screen Resolution	3840 x 2160 pixels (4K)
Video Outputs	2x HD (HDMI), 1x DP (DisplayPort)
USB Ports	4x USB 3.0, 2x USB 2.0
Network	2x Gigabit Ethernet (RJ-45), Dual-band 2.4G+5.0G WiFi (WIFI5), Bluetooth 4.2
Serial Ports	2x RS232/RS485 COM
GPIO	1x 14 Pin GPIO
Audio	1x SPK (Audio Out), 1x MIC (Audio In)
Power Supply	DC 12V 5A
Dimensions (LxWxH)	8.07 x 4.92 x 2.09 inches (20.5 x 12.5 x 5.3 cm)
Weight	2.64 pounds (1.2 kg)

## 9. WARRANTY AND SUPPORT

HISTTON provides customer support for its products. For technical assistance, warranty claims, or general inquiries, please use the following contact methods:

- **Amazon Support:** For purchases made through Amazon, you can contact support by logging into your Amazon account, navigating to "Your Orders," and selecting "Ask Product Question" for your HISTTON Mini PC.
- **After-Sales Support:** You may also send an email directly to the HISTTON after-sales team for dedicated support.






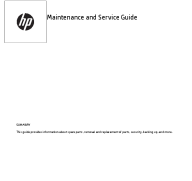


Image 9.1: Support contact options for HISTTON products.

## 9.1 Official Product Video

Video 9.1: An overview of the HISTTON Mini PC, showcasing its features and potential applications with Windows 11 Pro and Linux/Ubuntu support.

© 2023 HISTTON. All rights reserved.

## Related Documents - H6-i7-10810U

	<p><a href="#">HISTTON Mini PC User Manual: Setup, Features, and Warranty Guide</a></p> <p>Detailed user manual for the HISTTON Mini PC, covering unboxing, setup instructions, port descriptions, basic features, power management, and comprehensive warranty policy. Find information on product care and support.</p>
	<p><a href="#">HP EliteBook 830 G7 Maintenance and Service Guide</a></p> <p>Comprehensive guide for the HP EliteBook 830 G7 Notebook PC, covering product description, components, illustrated parts catalog, removal and replacement procedures for both customer self-repair and authorized service provider parts, computer setup (BIOS, TPM, HP Sure Start), backing up, restoring, recovering, HP PC Hardware Diagnostics, and specifications.</p>
	<p><a href="#">MSI Katana GF66 11UG-834IT Gaming Laptop Quick Start Guide</a></p> <p>A comprehensive quick start guide for the MSI Katana GF66 11UG-834IT gaming laptop. Learn about product overview, essential connections, and function key operations for optimal performance.</p>
	<p><a href="#">Lenovo ThinkStation P3 Tiny: Setup Guide and Technical Specifications</a></p> <p>Comprehensive guide for the Lenovo ThinkStation P3 Tiny workstation, covering port configurations, expansion module options, and radio frequency compliance. Includes details on graphics, networking, and connectivity for professional use.</p>



[Acer Predator Orion 3000 PO3-600 Gaming Desktop Specifications](#)

Detailed specifications for the Acer Predator Orion 3000 PO3-600 gaming desktop, featuring Intel Core i7 9th Gen processor, NVIDIA GeForce RTX 1660 Ti graphics, 16GB DDR4 RAM, 512GB SSD, and 1TB HDD.



[Dell OptiPlex 7000 Micro Setup and Specifications Guide](#)

Comprehensive setup guide and detailed technical specifications for the Dell OptiPlex 7000 Micro (Models D15U, D15U001, D15U002). Features 12th Gen Intel Core processors (i3, i5, i7, i9), DDR4/DDR5 memory, and Windows 11 support. Covers hardware, connectivity, performance, and support resources.