USER MANUAL

Thinvent® Aero Mini PC

Aero-i5_12lg-16_16-m512-12_10-m-11P-0



Edition November 2026

Serial number: _____

Thinvent Technologies Private Limited · www.thinvent.in

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1. BEFORE YOU START

The Thinvent Aero is a mini PC in a black powder-coated steel and ABS plastic housing, 198 mm × 187 mm × 40 mm. It runs on a 12 V DC power adapter, accepts a VESA mount, and holds an M.2 SSD or a 2.5-inch SATA drive. Customers use it in offices, home offices, small businesses, education, digital signage, industrial control and thin client set-ups.

- Keep the vents clear, and keep the computer away from water and direct sunlight.
- Use only the power adapter supplied with the Aero.
- Unplug the power adapter before you open the unit or connect internal parts.
- Do not remove the warranty sticker. Removing it affects the warranty.

Drivers, other files for this computer and the latest edition of this manual are on the Thinvent Support Downloads page: www.thinvent.in/support/downloads. Enter the serial number or the order number of your computer.

2. WHAT IS IN THE BOX

- Thinvent Aero Mini PC
- Power adapter and power cable

3. SPECIFICATIONS

Processing	
Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1250P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	512 GB
Display	
HDMI	1
VGA	1
Audio	
Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1
Connectivity	
USB 3.2	2
Front USB 2.0	4
Front USB C	1
Networking	
Ethernet	1000 Mbps
Ethernet Ports	2
Wireless Networking	Wi-Fi 5 (802.11ac), dual band
Power	
DC Voltage	12 Volts
DC Current	10 Amps
Power Input	100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum
Cable Length	2 Metre

Environmental

Operating Temperature	0°C ~ 35°C
Operating Humidity	20% ~ 80% RH, non condensing
Certifications	BIS, RoHS, ISO

Physical

Form Factor	Mini PC
Dimensions	198mm × 187mm × 40mm
Housing Material	Steel and ABS Plastic
Housing Finish	Powder Coated
Housing Colour	Black

Operating System

Operating System	Microsoft Windows 11 Pro

4. PORTS AND CONTROLS

Front

From left to right:

#	Port	Description
1	USB 2.0 ports (4)	Connect a keyboard, mouse, USB drive or other USB device.
2	USB Type-C port	Connect a USB Type-C device.
3	Speaker out	3.5 mm audio jack for speakers or headphones.
4	Mic in	3.5 mm audio jack for a microphone.

Other ports

The computer has these ports:

#	Port	Description
1	HDMI	
2	VGA	
3	USB 3.2 (2)	
4	Speaker out	
5	Mic in	
6	Ethernet (RJ45) (2)	1000 Mbps

5. SETTING UP

Connect and switch on

1. Place the Aero on a flat surface or fit it to a VESA mount.
2. Connect a monitor to an HDMI or the VGA port on the rear panel. Connect a second monitor to another video port to use two displays.
3. Connect a keyboard and a mouse to the USB ports.
4. Connect the network cable to the Ethernet port.
5. Connect the power adapter to the DC input on the rear panel and plug it into a wall socket.
6. Press the power button to switch the PC on.

6. WI-FI

This computer has Wi-Fi (Wi-Fi 5 (802.11ac), dual band).

1. Click the network icon at the right end of the taskbar.
2. Click the name of your Wi-Fi network, then Connect, and type the network password.

7. OPERATING SYSTEM

This computer comes with Microsoft Windows 11 Pro.

1. Switch the computer on. Windows starts its setup on the first start.
2. Pick your country, keyboard layout and network, then sign in or create a local account.
3. Install the drivers in the Drivers chapter of this manual if Device Manager lists a device without a driver.

8. DRIVERS

Install the drivers in this order. Each one is on the Support Downloads page.

#	Driver	Version
1	Intel Bluetooth driver (Wireless-AC 8260, 8265, 9560 and Wi-Fi 6 AX200) for Windows 10 and 11	22.200.0
2	Intel Wi-Fi driver (Wireless-AC 8260, 8265, 9560 and Wi-Fi 6 AX200) for Windows 10 and 11	22.200.2

9. CARE

- Keep the unit in a room with an air temperature of 0°C to 35°C and a humidity of 20% to 80% RH, without condensation.
- Keep the ventilation openings of the housing clear of paper, cloth and walls.
- Unplug the power adapter before you clean the unit. Wipe the housing with a dry or slightly damp soft cloth.

10. TROUBLESHOOTING

Windows shows yellow warnings in Device Manager or the display, audio or network adapter is missing

1. Open the Support Downloads page on the Thinvent website and find the drivers for the part number printed on the unit.
2. Install the graphics driver first, then the chipset and management engine drivers, then the audio and Ethernet drivers. Restart Windows after each one.
3. If the yellow warnings stay, contact Thinvent Support. Thinvent Support can connect to the PC with AnyDesk and install the drivers.

The PC does not show a wired network connection after a clean Windows install

1. Download the Ethernet driver for your board from the Support Downloads page on another PC and copy it to the Aero with a USB drive.
2. Extract the archive and run its installer.
3. Restart Windows and check that the network adapter appears in Device Manager.

The PC stops working after Windows installs driver updates on its own

1. Contact Thinvent Support and give the part number, the Windows version and the date of the update.
2. Thinvent Support sends the Windows ISO and the drivers for the unit. Reinstall Windows and then the drivers from the Support Downloads page.
3. If the PC still does not start, pack it with its power adapter and send it to the Thinvent repair centre. Thinvent Support gives the address.

11. SUPPORT

Support Downloads	www.thinvent.in/support/downloads
Email	support@thinvent.in
Phone	+91-11-411-71494
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