USER MANUAL

Thinvent® Uno 21.5" All in One PC

Uno22-r5_7-16-m256-19_7-X-DOS-HA



Edition November 2026

Serial number: _____

Thinvent Technologies Private Limited · www.thinvent.in

Contents

1. Before you start	3
2. What is in the box	3
3. Specifications	3
4. Ports and controls	4
5. Setting up	4
6. Using the computer	4
7. Operating system	5
8. Inside the computer: the motherboard	5
9. Jumpers and switches	6
10. BIOS setup	6
11. Drivers	6
12. Care	6
13. Troubleshooting	6
14. Support	7

1. BEFORE YOU START

The Thinvent Uno is a computer and a Full HD screen in one slim black housing. The Uno22 has a 21.5 inch screen and measures 490 mm × 378 mm × 55 mm. It has a pop-up camera, two 3 W speakers, two USB 2.0 ports on the side, a Kensington lock slot and a VESA mount, and it suits offices, reception areas, shops, classrooms, kiosks and homes.

- Keep the vents clear, and keep the computer away from water and direct sunlight.
- Do not put the computer where water, dust, moisture or soot can reach it.
- Use only the power adapter that came with the computer, and plug it into an outlet that you can reach at any time.
- Do not remove the grounding pin of the power cable.
- Do not use the computer on a soft surface such as a cushion or a rug, and do not block the ventilation openings.
- Do not use a voltage converter kit sold for appliances to power the computer.
- Save your work before you shut down. Unsaved work is lost.
- Fit the computer only to a VESA stand or wall bracket that carries its weight of 7.2 kg.

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 Uno All in One PC
- Height adjustable stand
- 12 V power adapter with a 2 metre cable

3. SPECIFICATIONS

Processing

Generation	7000 Series
Series	Ryzen 5
Processor Brand	AMD
Processor Model	7430U
Cores	6
Max Frequency	4.3 GHz
Cache	16 MB
Main Memory	16 GB
SSD Storage	256 GB

Display

Screen Size	21.5 inch
Resolution	1920 × 1080
Brightness	250 nits
Viewing Angle	Horizontal 178°, Vertical 178°
Camera	Pop up, 2 Megapixel
HDMI	1
VGA	1

Audio

Speakers	2 × 3 Watts
Speaker Out	1
Mic In	1

Connectivity

USB 3.2 Gen 1	2
USB 2.0	2
Side USB 2.0	2

Networking

Ethernet	1000 Mbps

Power

DC Voltage	19 Volts
DC Current	7 Amps
Power Input	100~240 Volts AC, 50~60 Hz, 1.5 Amps maximum
Cable Length	1.5 Metre

Environmental

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

Physical

Form Factor	All-in-One
Stand	Height Adjustable
Dimensions	490mm × 378mm × 55mm
Housing Material	Aluminium alloy, steel and ABS Plastic
Housing Colour	Black
Kensington Lock	Yes

Operating System

Operating System	FreeDOS

4. PORTS AND CONTROLS

Side

#	Port	Description
1	Side USB 2.0 ports (2)	Connect a USB flash drive, a keyboard, a mouse or another USB device.

Rear

From left to right, seen from the back:

#	Port	Description
1	DC-IN	DC power jack, 19 V
2	HDMI	HDMI 1.4 port
3	VGA	VGA port. The position can be fitted with a COM port or a DisplayPort instead
4	USB 2.0	Stacked USB 2.0 ports
5	RJ45	Ethernet port, Realtek 8111M, 100 Mbps and 1000 Mbps
6	USB 3.2 Gen1	Stacked USB 3.2 Gen1 ports
7	Audio 1	Pink audio jack
8	Audio 2	Green audio jack

5. SETTING UP

Connect and switch on

1. Place the computer on a hard, flat surface, or fit it to a wall or a VESA stand. Keep the ventilation openings clear.
2. Connect the cable of the power adapter to the DC power socket on the rear of the computer.
3. Plug the power adapter into a power outlet that you can reach at any time.
4. Connect the keyboard, the mouse and, if you use a wired network, the network cable.
5. Press the power button to switch on the computer.

Connect a second screen

1. Switch off the computer.
2. Connect the screen or projector to the HDMI or VGA port on the rear of the computer.
3. Switch on the computer.

6. USING THE COMPUTER

Pop-up camera

1. The camera is a 2 megapixel camera that pops up from the top edge of the screen.
2. Open a video call or the Camera app to use it.
3. Push the camera back into the housing when you do not use it.

Speakers and microphone

1. The two built-in speakers are 3 W each.
2. To use headphones or external powered speakers, plug them into the Speaker Out jack.
3. To use an external microphone, plug it into the Mic In jack.

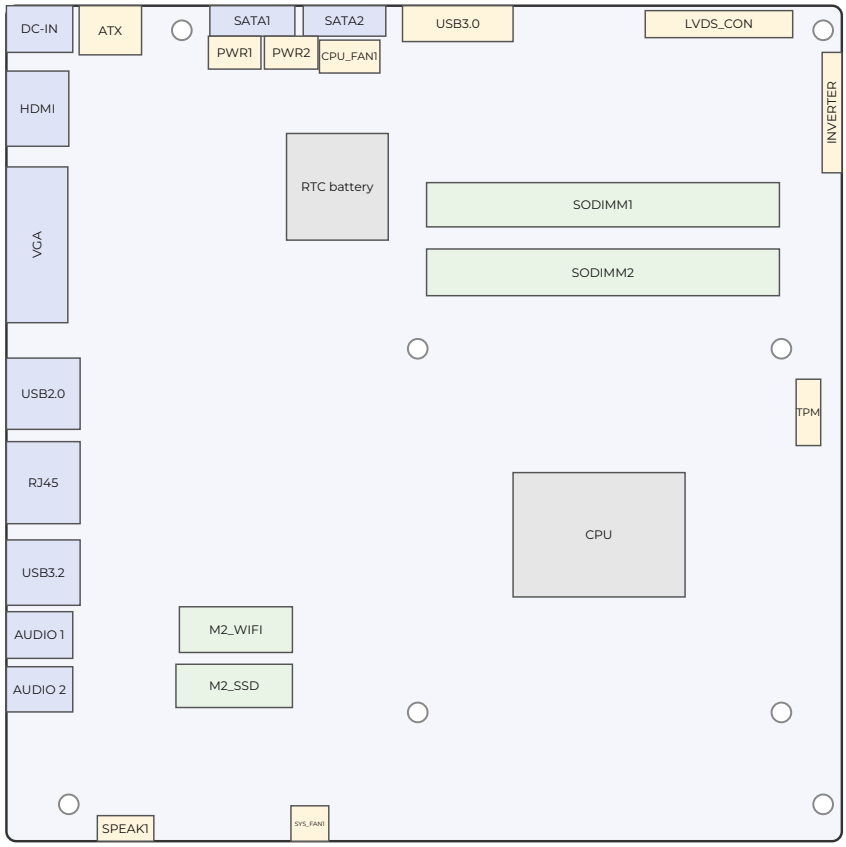
Shut down

1. Save your work and close your programs.
2. If the computer does not respond, hold the power button until the computer switches off.

7. OPERATING SYSTEM

This computer comes with FreeDOS.

8. INSIDE THE COMPUTER: THE MOTHERBOARD



170 mm × 170 mm

Component side of the board. Positions are approximate.

Label	Connector or component
CPU	AMD Ryzen 5 7430U
SODIMM1	DDR4 SO-DIMM slot
SODIMM2	DDR4 SO-DIMM slot
RTC battery	RTC battery holder with its coin cell
SATA1	SATA 6 Gb/s connector
SATA2	SATA 6 Gb/s connector
PWR1	SATA_PWR connector, 4 pins, for the first SATA drive
PWR2	SATA_PWR connector, 4 pins, for the second SATA drive
CPU_FAN1	CPU fan header, 1 x 4 pins, smart fan
USB3.0	USB 3.0 header, 2 x 10 pins
LVDS_CON	LVDS screen header, 2 x 15 pins
INVERTER	Backlight header, 1 x 6 pins
TPM	TPM header, 2 × 7 pins
M2_WIFI	M.2 Key-E socket for a 2230 wireless module
M2_SSD	M.2 Key-M socket for a 2242 or 2280 SATA or PCIe 3.0 SSD

SPEAK1	Speaker header, 1 x 4 pins
SYS_FAN1	System fan header, 1 x 4 pins, smart fan
ATX	4-pin ATX power connector, fitted in place of the DC jack
DC-IN	DC power jack, 19 V
HDMI	HDMI 1.4 port
VGA	VGA port
USB2.0	Stacked USB 2.0 ports
RJ45	RJ45 Ethernet port
USB3.2	Stacked USB 3.2 Gen1 ports
AUDIO 1	Pink 3.5 mm audio jack
AUDIO 2	Green 3.5 mm audio jack

9. JUMPERS AND SWITCHES

LCD_VOL_SEL: Supply voltage of the LVDS screen

Setting	Function
3.3 V	Screen supply 3.3 V
5 V	Screen supply 5 V (default)
12 V	Screen supply 12 V

INV_VOL_SEL: Backlight voltage

Setting	Function
12 V	Backlight supply 12 V (default)
19 V	Backlight supply 19 V

10. BIOS SETUP

Open the Save & Exit menu to save the settings and restart.

Updating the BIOS

> Keep the power connected during a BIOS update. A power cut during the update leaves the board unable to start.

1. The Thinvent Support Downloads page does not have a BIOS file for this board.
2. Contact Thinvent support with the serial number of your computer and ask for a BIOS file. The contact details are in the Support section of this manual.
3. Thinvent support sends the BIOS file for your board with its instructions. Follow those instructions.
4. Keep the power adapter connected until the update finishes.

11. DRIVERS

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

#	Driver	Version
1	AMD Ryzen chipset driver for Windows 10 and 11	8.08.12.551

12. CARE

- Switch off the computer and unplug the power adapter before you clean it.
- Wipe the screen with a soft, lint-free cloth moistened with an alcohol-free glass cleaner.
- Wipe the housing with a soft microfibre cloth moistened with water and a little mild soap.
- Do not spray liquid on the computer. Do not use paper towels, which scratch the surface, or strong solvents such as alcohol or acetone.
- Keep the ventilation openings clear of dust, cloth and paper.
- Operate the computer at 0°C to 35°C and 20% to 80% relative humidity without condensation.

13. TROUBLESHOOTING

The computer does not switch on

1. Check that the power adapter is plugged firmly into the computer and into the outlet.
2. Plug a different device into the same outlet to test it. Plug the power adapter directly into the wall outlet, without a stabiliser or an extension.
3. Disconnect every USB device and the network cable.
4. Hold the power button for 15 seconds until the computer switches off, then press it once to switch on.
5. If the computer still does not start, contact Thinvent Support with the serial number.

The screen is blank

1. Press the space bar or move the mouse in case the computer is asleep.
2. Press the power button to switch on the computer.
3. If you use a second screen, check that its cable is firmly connected and that its pins are straight.

The computer does not respond

1. As a last step, hold the power button until the computer switches off, then switch it on again.

The computer switches off by itself

1. Move the computer to a cooler place, away from direct sun and heat.
2. Check that nothing blocks the ventilation openings.
3. Wait for the computer to cool, then switch it on again.

There is no sound

1. Raise the volume and check that the speakers are not muted.
2. Unplug headphones or external speakers from the Speaker Out jack.
3. If you use external speakers, check that they are powered, switched on and plugged into the Speaker Out jack, not the Mic In jack.

The computer cannot connect to the internet

1. For a wired network, check that the network cable is plugged into the computer and the router.
2. Restart the router, then try again.

14. SUPPORT

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