USER MANUAL

# Thinvent® Neo R/4 Mini PC

R-i5_13-16-m2048-12_7-m-DOS-0




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 | 4 |
| 8. Drivers | 5 |
| 9. Care | 5 |
| 10. Troubleshooting | 5 |
| 11. Support | 5 |

## 1. BEFORE YOU START

The Neo R/4 is Thinvent's steel mini PC for transport, banking, hospitality and healthcare. It takes a Mini-ITX or Thin Mini-ITX board and holds an M.2 SSD and a 2.5 inch drive, and runs Windows or Linux.

- Keep the vents clear, and keep the computer away from water and direct sunlight.
- Use only the power adapter supplied with the mini PC. Another adapter can damage it and affects the warranty.
- Do not cover the ventilation slots or block the air vents. Never run the mini PC with the cover or a side panel removed.
- When the mini PC is plugged in, power reaches the system board. Unplug the power cable before you open the mini PC.
- Be properly grounded when you touch a component, and avoid contact with pins, leads and circuitry.
- Keep the adapter wires undamaged. A damaged wire can cause a short circuit.
- Do not let the power adapter touch your skin or a soft surface while the mini PC runs.
- The mini PC contains a lithium coin cell battery. Do not take it apart, crush, puncture or short it, put it in water or fire, or expose it to temperatures above 60 °C. Do not recharge it. Return used batteries to Thinvent or its authorised partners, not to the household waste.
- Change BIOS settings only with the help of trained service personnel. Wrong settings cause instability or boot failure.
- Contact Thinvent support before you upgrade memory or storage. Some models have a fixed configuration.
- Do not remove or tamper with the warranty seal. Repair or modification by the customer or an unauthorised third party is outside 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® Neo R/4 Mini PC
- Power adapter

## 3. SPECIFICATIONS

| | |
|---|---|
| **Processing** | |
| Generation | 13th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 1335U |
| Cores | 10 |
| Max Frequency | 4.6 GHz |
| Cache | 12 MB |
| Main Memory | 16 GB |
| SSD Storage | 2048 GB |
| **Display** | |
| HDMI | 1 |
| VGA | 1 |
| **Audio** | |
| Speaker Out | 1 |
| Mic In | 1 |
| **Connectivity** | |
| USB 3.2 | 2 |
| USB 2.0 | 2 |
| **Networking** | |
| Ethernet | 1000 Mbps |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |
| **Power** | |
| DC Voltage | 12 Volts |
| DC Current | 7 Amps |
| Power Input | 100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum |
| Cable Length | 2 Metre |

### Environmental

| | |
|---|---|
| Operating Temperature | 0°C ~ 40°C |
| Operating Humidity | 20% ~ 80% RH, non condensing |
| Certifications | BIS, RoHS, ISO |

### Physical

| | |
|---|---|
| Form Factor | Mini PC |
| Dimensions | 198mm × 200mm × 73mm |
| Packing Dimensions | 335mm × 240mm × 110mm |
| Housing Material | Steel |
| Housing Finish | Powder Coated |
| Housing Colour | Black |
| Net and Gross Weight | 1.61kg, 2.03kg |

### Operating System

| | |
|---|---|
| Operating System | FreeDOS |

## 4. PORTS AND CONTROLS

### Front

From left to right:

| # | Port | Description |
|---|---|---|
| 1 | Power button | Switches the mini PC on or off. Press it gently to switch on. Hold it for at least 4 seconds to force a switch off when the mini PC does not respond. |

### Other ports

The computer has these ports:

| # | Port | Description |
|---|---|---|
| 1 | HDMI | |
| 2 | VGA | |
| 3 | USB 3.2 (2) | |
| 4 | USB 2.0 (2) | |
| 5 | Speaker out | |
| 6 | Mic in | |
| 7 | Ethernet (RJ45) | 1000 Mbps |

## 5. SETTING UP

### Connect and switch on

1. Plug the power adapter into the DC Power In jack on the rear panel.
2. Plug the power adapter into a 100 to 240 V AC power source.
3. Connect a monitor with an HDMI cable to the HDMI port, or with a VGA cable to the VGA port. To use two monitors, connect one to each port.
4. Connect a USB keyboard and mouse to any of the USB ports. A USB dongle for a wireless keyboard and mouse also works.
5. Connect an Ethernet cable to the LAN port, or connect to Wi-Fi in the network settings of the operating system.
6. Press the Power button gently.

## 6. USING THE COMPUTER

### Switch the mini PC on and off

1. Press the Power button gently to switch on.
2. If the mini PC does not respond, hold the Power button for at least 4 seconds until it switches off.

### Enter BIOS setup and load the default settings

1. Switch on the mini PC and press F2 or Delete while the start-up (POST) screen shows.
2. Open the Exit menu.
3. Select Load Optimised Defaults, or press F3.
4. Select OK to load the default values.

## 7. OPERATING SYSTEM

This computer comes with FreeDOS.

## 8. DRIVERS

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

| # | Driver | Version |
|---|---|---|
| 1 | Intel Chipset INF Utility for Windows 10 and 11 | 10.1.20658.8883 |
| 2 | Intel graphics driver (11th-14th Gen and N-series) for Windows 10 and 11 | 31.0.101.7092 |
| 3 | Realtek 8111H Ethernet driver | 11016 |
| 4 | Intel Bluetooth driver (Wireless-AC 8260, 8265, 9560 and Wi-Fi 6 AX200) for Windows 10 and 11 | 22.200.0 |
| 5 | Intel Wi-Fi driver (Wireless-AC 8260, 8265, 9560 and Wi-Fi 6 AX200) for Windows 10 and 11 | 22.200.2 |

### Other files for this computer

These files are on the Support Downloads page, www.thinvent.in/support/downloads.

| File | Kind | Version |
|---|---|---|
| Neo user manual | manual | 1 |

## 9. CARE

- Keep the mini PC away from excessive moisture, direct sunlight and extremes of heat and cold.
- Keep liquids away from the mini PC.
- Clean the air vents on all vented sides now and then. Unplug the mini PC first, because lint and dust block the vents and limit the airflow.
- Use the mini PC on a hard, flat surface. Do not place it on a lap, a pillow, a rug or clothing.
- Do not stack other computers on top of the mini PC.
- If you run the mini PC inside a separate enclosure, give the enclosure intake and exhaust ventilation.

## 10. TROUBLESHOOTING

### The mini PC does not switch on

1. Check that the power adapter is firmly plugged into the DC Power In jack and into the wall socket.
2. Check that the socket supplies the correct voltage (100 to 240 V AC).
3. Use only the adapter that came with the mini PC.
4. Press the Power button gently.

### The monitor stays blank after you connect the mini PC

1. Check that the monitor is switched on and set to the input you connected.
2. Check that the HDMI or VGA cable is firmly connected at both ends.
3. Try the other video port, or another monitor.

### The mini PC runs slowly

1. Close applications you do not need.
2. Put the mini PC where the air moves freely and clean dust from the vents.
3. Check that the mini PC is not overheating.

### The headphones do not work in the Mic and Speaker jacks

1. Connect the headphones through a converter, or use USB headphones.

## 11. SUPPORT

| | |
|---|---|
| **Support Downloads** | www.thinvent.in/support/downloads |
| **Email** | support@thinvent.in |
| **Phone** | +91-11-411-71494 |
| **WhatsApp** | +91 9990344247 |

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