



# Thinvent Neo H Mini PC

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 32GB DDR4 RAM

## 256GB SSD

## Dual Band WiFi

## Thinux Embedded Linux

SKU: H-I3\_13-32-M256-12\_5-M-THINUX-0



Unleash Industrial Power in a Compact Form: The Thinvent® Neo H Mini PC.

Experience the pinnacle of performance with the Thinvent® Neo H Mini PC, the High Performance version of our bestselling Neo model. This industrial workhorse, 100% designed and made in India, boasts a solid steel build, making it our largest and most robust product, perfect for industrial control and demanding applications.

### Unrivalled Performance

Powered by an Intel® Core™ i3-1315U processor with 6 cores reaching up to 4.5 GHz and 10 MB cache, the Neo H delivers exceptional processing power. Coupled with 32GB DDR4 RAM and a lightning-fast 256GB SSD, it ensures seamless multitasking and rapid data access for critical operations.

### Comprehensive Connectivity

#### Stay connected with versatile options

- Dual Band Wi-Fi 5 (802.11ac)
- Gigabit Ethernet (1000 Mbps)
- 2x USB 3.2 ports
- 2x USB 2.0 ports
- HDMI and VGA outputs for dual display support
- Speaker Out and Mic In

### Secure & Smart Operating System

#### Run on Thinvent® Thinux™ Embedded Linux, tailored for efficiency and security

- Built-in Chromium and Mozilla Firefox browsers
- Advanced remote display with RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH
- Browser-based remote management and VNC shadowing
- Support for Java, Python, and glibc based location applications
- LibreOffice and PDF viewer for productivity
- Multimedia player with MPEG4 support
- SIP video and voice over IP

### Built for Durability

The Neo H features a robust black powder-coated steel housing, designed for resilience. It operates reliably in challenging environments (0°C ~ 40°C, 20% ~ 80% RH) and comes with BIS, RoHS, and ISO certifications, ensuring quality and safety. Its efficient 12V 7A adapter with a 2-metre cable and wide AC input range (100~275V) ensures stable power.

### Compact & Powerful

With dimensions of 210mm × 202mm × 80mm, this mini PC packs maximum power into a minimal footprint.

# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 13th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1315U   |
| Cores           | 6       |
| Max Frequency   | 4.5 GHz |
| Cache           | 10 MB   |
| Main Memory     | 32 GB   |
| SSD Storage     | 256 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   | 5 Amps                                       |
| Power Input  | 100~240 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           | 210mm × 202mm × 80mm  |
| Packing Dimensions   | 340mm × 235mm × 105mm |
| Housing Material     | Steel                 |
| Housing Finish       | Powder Coated         |
| Housing Colour       | Black                 |
| Net and Gross Weight | 1.62kg, 2.04kg        |

### OPERATING SYSTEM

|                  |                                                                                                                                                                                                                                                                                                                                    |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating System | Thinvent® Thinux™ Embedded Linux                                                                                                                                                                                                                                                                                                   |
| OS Features      | Chromium and Mozilla Firefox browsers.<br>RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display.<br>Browser based remote management. VNC shadowing.<br>Java, Python and glibc based location application support.<br>LibreOffice and PDF viewer.<br>Multimedia player with MPEG4 support.<br>SIP video and voice over IP. |

## Ordering Information

### PRODUCT CODE

**H-i3\_13-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]**

|             |                                         |                                         |                                      |                       |
|-------------|-----------------------------------------|-----------------------------------------|--------------------------------------|-----------------------|
| RAM         | <b>4</b> = 4GB DDR4                     | <b>8</b> = 8GB DDR4                     | <b>16</b> = 16GB DDR4                | <b>32</b> = 32GB DDR4 |
|             | <b>32_32</b> = 64GB DDR4 RAM (2 x 32GB) | <b>16_16</b> = 32GB DDR4 RAM (2 x 16GB) | <b>8_8</b> = 16GB DDR4 RAM (2 x 8GB) |                       |
| SSD         | <b>m128</b> = 128GB                     |                                         | <b>m256</b> = 256GB                  |                       |
|             | <b>m512</b> = 512GB                     |                                         | <b>m1024</b> = 1TB                   |                       |
|             | <b>S32</b> = 32GB MLC                   |                                         | <b>S128</b> = 128GB                  |                       |
|             | <b>S256</b> = 256GB                     |                                         |                                      |                       |
| Wireless    | <b>m</b> = Dual Band WiFi               |                                         | <b>X</b> = No WiFi                   |                       |
| OS          | <b>DOS</b> = DOS                        |                                         | <b>W_OS</b> = Without OS             |                       |
|             | <b>11V</b> = Windows 11 IoT Value       |                                         | <b>11P</b> = Windows 11 Pro          |                       |
|             | <b>Thinux</b> = Thinux™ Embedded Linux  |                                         | <b>U</b> = Ubuntu Linux              |                       |
| Accessories | <b>0</b> = None                         |                                         | <b>KM</b> = Keyboard and Mouse set   |                       |
|             | <b>1S</b> = DB9 Serial                  |                                         | <b>MK</b> = Mechanical Keyboard      |                       |
|             | <b>Mo</b> = Wired Optical Scroll Mouse  |                                         |                                      |                       |

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