



# Thinvent Neo H Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 16GB DDR4 RAM

## 2TB SSD

## No WiFi

## Thinix Embedded Linux

SKU: H-I3\_12-16-M2048-12\_5-X-THINUX-0



Unleash Industrial Power: The Neo H Mini PC for Unyielding Performance.

Introducing the Thinvent® Neo H Mini PC: the High Performance evolution of our bestselling Neo series. This robust, industrial workhorse is 100% designed and made in India, engineered with a solid steel chassis for unparalleled durability in the most demanding environments. With powerful CPU and RAM configurations, it is our most capable offering in the Neo range.

### Unrivalled Processing Power

Experience seamless operation with the Intel® Core™ i3-1215U processor, featuring 6 cores, a blistering 4.4 GHz max frequency, and a generous 10 MB cache. Paired with 4GB DDR4 RAM and a rapid 128GB SSD, the Neo H delivers quick boot-ups and responsive application handling, making it perfect for industrial control and similar applications.

### Comprehensive Connectivity

Connect effortlessly with a host of options including

- 1 HDMI port
- 1 VGA port
- 2 USB 3.2 ports
- 2 USB 2.0 ports
- 1000 Mbps Ethernet for reliable, high-speed wired networking (Note: No WiFi for enhanced security in sensitive setups)

- Dedicated Speaker Out and Mic In for complete audio integration.

### Thinvent® Thinix™ Embedded Linux

**Powering your operations with Thinvent® Thinix™, a secure, robust, and versatile embedded Linux OS. Enjoy**

- Chromium and Mozilla Firefox for web browsing
- RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH for secure remote display
- Browser-based remote management and VNC shadowing
- Support for Java, Python, and glibc based location applications
- LibreOffice, PDF viewer, multimedia player, and SIP video/voice over IP.

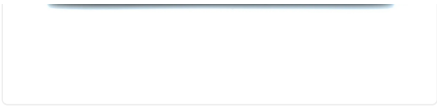
### Built for Endurance

**Designed for continuous operation, this unit boasts**

- An operating temperature range of 0°C ~ 40°C
- 20% ~ 80% RH non-condensing operating humidity
- BIS, RoHS, and ISO certifications for peace of mind.

Its compact 210mm × 202mm × 80mm black, powder-coated steel housing ensures longevity and easy integration into any setup. Power it reliably with its 12V 7A adapter.





# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1215U   |
| Cores           | 6       |
| Max Frequency   | 4.4 GHz |
| Cache           | 10 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 |
| RS485 Option | 1 |

### NETWORKING

|          |           |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

### 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 | 1.69kg, 2.11kg        |

### OPERATING SYSTEM

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

## Ordering Information

### PRODUCT CODE

**H-i3\_12-[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>m1024</b> = 1TB                   |                       |
|             | <b>m512</b> = 512GB                     | <b>S32</b> = 32GB MLC                   | <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>110</b> = Windows 11 Professional    | <b>Thinix</b> = Thinix™ 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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