



# Thinvent Neo H Mini PC

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

128GB SSD

No WiFi

Thinix Embedded Linux

SKU: H-I3\_13-32\_32-M128-12\_7-X-  
THINUX-0



## Unleash Industrial Power in a Compact Form.

Introducing the Thinvent® Neo H Mini PC: the high-performance evolution of our bestselling Neo model. This industrial workhorse, 100% designed and made in India, boasts a solid steel build for uncompromising durability, making it perfect for industrial control and similar demanding applications.

### Powerful Performance

- Driven by an Intel® Core™ i3-1315U processor with 6 cores, up to 4.5 GHz, and a 10 MB cache for robust computing.
- 4GB DDR4 RAM ensures seamless multitasking even under heavy loads.
- A 32GB MLC SSD provides rapid, reliable, and durable storage for critical applications.

### Extensive Connectivity

- Connect multiple displays with 1 HDMI and 1 VGA port.
- Expand your peripheral ecosystem with 2 USB 3.2 and 2 USB 2.0 ports.
- Experience high-speed, stable networking via 1000 Mbps Ethernet.
- Includes dedicated Speaker Out and Mic In for comprehensive audio support.

### Thinvent® Thinix™ Embedded Linux Operating System



- Engineered for efficiency and advanced remote management capabilities.
- Comes with Chromium and Mozilla Firefox browsers for versatile web access.
- Facilitates seamless remote control through RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Features browser-based remote management to simplify administration.
- Offers broad application support including Java, Python, glibc, LibreOffice, and a PDF viewer.
- Supports multimedia playback with MPEG4 and integrates SIP video and voice over IP.

### Built for Harsh Environments

- Housed in a durable, black powder-coated steel chassis, measuring 210mm x 202mm x 80mm.
- Reliably operates within a 0°C ~ 40°C temperature range and 20% ~ 80% RH (non-condensing) humidity.
- Certified with BIS, RoHS, and ISO, ensuring compliance and peace of mind.
- Powered by a robust 12V 7A adapter with a wide 100~275V AC input range.



# 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     | 64 GB   |
| SSD Storage     | 128 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 |
|----------|-----------|

### 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           | 210mm × 202mm × 80mm  |
| Packing Dimensions   | 340mm × 235mm × 105mm |
| Housing Material     | Steel                 |
| Housing Finish       | Powder Coated         |
| Housing Colour       | Black                 |
| Net and Gross Weight | 1.72kg, 2.14kg        |

### 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\_13-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]

## RAM

4 = 4GB DDR4

8 = 8GB DDR4

16 = 16GB DDR4

32 = 32GB DDR4

32\_32 = 64GB  
DDR4 RAM (2 x  
32GB)16\_16 = 32GB  
DDR4 RAM (2 x  
16GB)8\_8 = 16GB DDR4  
RAM (2 x 8GB)

## SSD

m128 = 128GB

m512 = 512GB

S32 = 32GB MLC

S256 = 256GB

m256 = 256GB

m1024 = 1TB

S128 = 128GB

## Wireless

m = Dual Band WiFi

X = No WiFi

## OS

DOS = DOS

11V = Windows 11 IoT Value

Thinux = Thinux™ Embedded Linux

W\_OS = Without OS

11P = Windows 11 Pro

U = Ubuntu Linux

## Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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