



# Thinvent Neo H Mini PC

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 32GB DDR4 RAM

## 512GB SSD

## Dual Band WiFi

## Thinix Embedded Linux

## DB9 Serial

SKU: H-I3\_13-32-M512-12\_5-M-THINUX-1S



## Industrial Might, Compact Brilliance: The Thinvent® Neo H Mini PC

Introducing the Thinvent® Neo H, the high-performance version of our bestselling Neo model. This is our largest and most powerful Mini PC, a true industrial workhorse 100% designed and made in India with a solid steel build for uncompromising durability.

### Unleashed Performance

- Experience raw processing power with the Intel® Core™ i3-1315U processor, featuring 6 cores and clocking up to 4.5 GHz with a 10 MB cache for demanding tasks.
- Multitask effortlessly with 8GB DDR4 RAM.
- Enjoy lightning-fast boot times and application loading from the reliable 32GB MLC SSD.

### Versatile Connectivity

- This industrial workhorse offers a host of connectivity options.
- Visuals: Connect to displays via HDMI and VGA ports.
- Audio: Dedicated Speaker Out and Mic In.
- USB: Four USB ports (2x USB 3.2, 2x USB 2.0) for peripherals.
- Networking: Stay connected with Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac) for reliable wireless.
- Industrial Integration: A vital DB9 male RS232 serial port makes it ideal for industrial control and specialized applications.

### Thinvent® Thinix™ Embedded Linux

- Powered by our secure and robust Thinvent® Thinix™ Embedded Linux operating system.
- Enjoy secure remote access with RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH.
- Benefit from browser-based remote management and VNC shadowing for seamless administration.
- Supports Java, Python, and glibc based application development.
- Includes essential tools like Chromium and Mozilla Firefox browsers, LibreOffice, PDF viewer, multimedia player with MPEG4 support, and SIP video/voice over IP capabilities.

### Engineered for Endurance

- Housed in a durable, power-coated black steel chassis (210mm x 202mm x 80mm).
- Designed to operate reliably in challenging environments (0°C ~ 40°C, 20% ~ 80% RH non-condensing).
- Certified with BIS, RoHS, and ISO standards, ensuring quality and compliance.
- Powered by a robust 12V 7A adapter with a wide 100~275V AC input range for global compatibility.

# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

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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	512 GB

### DISPLAY

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HDMI	1
VGA	1

### AUDIO

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Speaker Out	1
Mic In	1

### CONNECTIVITY

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USB 3.2	2
USB 2.0	2
Serial Port	1 DB9 male RS232

### NETWORKING

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Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

### POWER

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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

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

### PHYSICAL

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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

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

## Ordering Information

PRODUCT CODE	
<b>H-i3_13-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b>	
<b>RAM</b>	<b>4</b> = 4GB DDR4 <b>8</b> = 8GB DDR4 <b>16</b> = 16GB DDR4 <b>32</b> = 32GB DDR4 <b>64</b> = 64GB DDR4
<b>SSD</b>	<b>m128</b> = 128GB <b>m256</b> = 256GB <b>m32</b> = 32GB <b>m512</b> = 512GB <b>m1024</b> = 1TB <b>S32</b> = 32GB MLC <b>S128</b> = 128GB <b>S256</b> = 256GB
<b>Wireless</b>	<b>m</b> = Dual Band WiFi <b>X</b> = No WiFi
<b>OS</b>	<b>DOS</b> = DOS <b>W_OS</b> = Without OS <b>11V</b> = Windows 11 IoT Value <b>11P</b> = Windows 11 Pro <b>Thinix</b> = Thinix™ Embedded Linux <b>U</b> = Ubuntu Linux
<b>Accessories</b>	<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

[www.thinvent.in](http://www.thinvent.in)

[sales@thinvent.in](mailto:sales@thinvent.in)

+91-11-430-77467

 +91-99903-44251

**R&D and Manufacturing**  
 #11 Sports Complex  
 Salvador Do Mundo  
 North Goa - 403101, India

**Sales**  
 UGF-10-A Omaxe Gurgaon Mall  
 Sector 49, Sohna Road  
 Gurgaon - 122018, India

