

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 16GB DDR4 RAM

## 128GB SSD

## No WiFi

## Thinix Embedded Linux

## DB9 Serial

SKU: H-I3\_12-16-M128-12\_5-X-THINUX-1S



Thinvent® Neo H: The High-Performance Industrial Workhorse, Engineered for Excellence.

Experience the pinnacle of robust computing with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. This industrial-grade powerhouse, 100% designed and made in India with a solid steel chassis and powder-coated black finish, is built to thrive in the most demanding environments. It represents our most powerful configuration, combining an Intel® Core™ i3-1215U processor with a massive 32GB DDR4 RAM, ensuring seamless operation for complex industrial control and critical applications.

### Unrivalled Performance and Reliability

- Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and 10 MB cache for superior processing power.
- 32GB DDR4 RAM for exceptional multitasking and data handling.
- Fast 128GB SSD for rapid boot-ups and application loading.

### Comprehensive Connectivity for Industrial Demands

- Essential DB9 serial port for legacy and industrial equipment.
- Two USB 3.2 and two USB 2.0 ports for versatile peripheral connections.
- Gigabit Ethernet for stable, high-speed wired network access.

- HDMI and VGA outputs for dual-display setups.
- Dedicated speaker out and mic in.

### Thinvent® Thinix™ Embedded Linux Operating System

- Pre-loaded with features for remote access and productivity.
- 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 for effortless control.
- Support for Java, Python, and glibc based applications.
- Includes LibreOffice, PDF viewer, and multimedia player with MPEG4 support.
- SIP video and voice over IP capabilities.

### Built Tough, Certified Safe

- Operating temperature from 0°C to 40°C and 20% to 80% RH.
- BIS, RoHS, and ISO certified for quality and compliance.
- Compact dimensions (210mm x 202mm x 80mm) with a durable steel housing.
- Reliable 12V 7A DC power input with a wide AC range adapter for flexible installation.





# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

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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	128 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
RS485 Option	1

### NETWORKING

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Ethernet	1000 Mbps
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### 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	1.69kg, 2.11kg

### 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_12-[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

