

## Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

## 16GB DDR4 RAM

## 512GB SSD

## No WiFi

## Thinix Embedded Linux

## DB9 Serial

SKU: H-I5\_13-16-M512-12\_5-X-THINUX-1S



Unleash industrial power in a compact form: The Thinvent® Neo H Mini PC.

### Product Overview

Experience unparalleled performance with the Thinvent® Neo H, the high-performance evolution of our bestselling Neo series. This industrial workhorse, our largest model, is 100% designed and made in India, boasting a solid steel build crafted for demanding environments.

### Unleash Peak Performance

At its core, the Intel® Core™ i5-1335U processor delivers formidable power with 10 cores, bursting up to 4.6 GHz and supported by a generous 12 MB cache. A robust 16GB DDR4 RAM ensures seamless multitasking, while the rapid 256GB SSD provides quick access to critical data. This powerful configuration is engineered to handle your most intensive industrial control and similar applications with ease.

### Robust Industrial Connectivity

#### The Neo H offers a comprehensive suite of connectivity options vital for industrial operations

- A dedicated DB9 male RS232 serial port for legacy and control systems
- Gigabit Ethernet for high-speed network integration
- Two USB 3.2 and two USB 2.0 ports for peripherals
- HDMI and VGA outputs for versatile display configurations
- Speaker Out and Mic In for audio needs

Power is supplied by a reliable 12V 7A adapter, with a 2-metre cable, and a broad 100~275 Volts AC input range ensures stable operation.

### Thinvent® Thinix™ Embedded Linux Advantage

#### Operate with confidence on Thinvent® Thinix™ Embedded Linux, a secure and feature-rich environment designed for efficiency

- Comprehensive remote management via RDP 10 (with RemoteFX, H.264/AVC), Putty, SSH, and intuitive browser-based controls
- VNC shadowing for collaborative remote access
- Essential productivity tools including LibreOffice and a PDF viewer
- Built-in Chromium and Mozilla Firefox browsers
- Support for Java, Python, and glibc based location applications
- Multimedia playback with MPEG4 support
- SIP video and voice over IP capabilities

### Designed for Durability and Reliability

Built to last, the Neo H features a durable black powder-coated steel housing. It is engineered for challenging conditions, operating reliably across a 0°C to 40°C temperature range and 20% to 80% RH non-condensing humidity. Certified with BIS, RoHS, and ISO standards, the Thinvent® Neo H Mini PC is your dependable, high-performance solution for critical industrial applications.





## Specifications

### PROCESSING

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Generation	13th
Series	i5
Processor Brand	Intel
Processor Model	1335U
Cores	10
Max Frequency	4.6 GHz
Cache	12 MB
Main Memory	16 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
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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	1.62kg, 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-i5_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>Thinux</b> = Thinux™ 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

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