

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

**4GB DDR4 RAM**

**512GB SSD**

**No WiFi**

**DOS**

SKU: H-I5\_14-4-M512-12\_5-X-DOS-0



Unleash Industrial Power: The Thinvent® Neo H Mini PC.

### Introduction

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo line. This robust, 100% India-designed and manufactured industrial workhorse is engineered to dominate demanding applications, providing unmatched reliability and speed where it matters most.

### Performance That Drives Productivity

- At its core lies the formidable Intel® Core™ 5 120U processor, boasting 10 cores and reaching speeds up to 5.0 GHz with a generous 12 MB cache for exceptional processing power.
- Coupled with a swift 16GB DDR4 RAM, the Neo H handles intensive tasks effortlessly, ensuring seamless operation for critical industrial control and similar environments.
- Experience lightning-fast boot-ups and application loading thanks to the responsive 128GB SSD.

### Unrivaled Connectivity and Durability

- The Neo H is built for versatility, offering a comprehensive suite of connectivity options including two HDMI ports, one VGA, two USB 3.0, two USB 2.0, dedicated Speaker Out and Mic In ports, and a Gigabit Ethernet port for stable, high-speed wired network access.
- Its solid steel housing, finished with a durable powder coating, ensures longevity and resilience in challenging operating conditions (0°C to 40°C temperature, 20-80% RH humidity).
- This industrial-grade design is further solidified by BIS, RoHS, and ISO certifications, guaranteeing quality and compliance.
- Powered by a robust 12V 7A adapter, it ensures reliable operation. Running on FreeDOS, it provides a lean, controlled environment perfect for dedicated industrial applications.

### Compact Powerhouse

- Despite its immense power and robust build, this largest Neo product maintains a compact footprint of 210mm × 202mm × 80mm, suitable for seamless integration into diverse setups.



# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

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Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	4 GB
SSD Storage	512 GB

### DISPLAY

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HDMI	2
VGA	1

### AUDIO

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Speaker Out	1
Mic In	1

### CONNECTIVITY

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USB 3.0	2
USB 2.0	2

### 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	1.33kg, 1.75kg

### OPERATING SYSTEM

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Operating System	FreeDOS
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## Ordering Information

PRODUCT CODE	
<b>H-i5_14-[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

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