



# Thinvent Neo H Mini PC

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 64GB DDR4 RAM

## 128GB SSD

## No WiFi

## Windows 11 Pro

## DB9 Serial

SKU: H-I5\_14-64-M128-12\_5-X-11P-1S



## Unleash Unrivaled Industrial Power

Experience the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. As our largest product, this industrial workhorse is 100% designed and made in India, engineered with a solid steel build for uncompromising reliability and longevity in demanding environments. Perfectly suited for industrial control and similar critical applications.

### Unmatched Performance for Demanding Tasks

- Harness the formidable Intel® Core™ 5 120U processor, boasting 10 cores and speeds up to 5.0 GHz with a 12 MB cache, delivering exceptional processing power for complex operations.
- Multitask seamlessly and handle intensive applications with 16GB DDR4 RAM.
- Benefit from lightning-fast boot times and ample storage with a 1TB SSD, ensuring rapid data access and system responsiveness.
- Drive productivity and security with Microsoft Windows 11 Pro.

### Robust Connectivity and Design

- Expand your workspace with dual HDMI and a VGA port for flexible display configurations.
- Connect essential peripherals via two USB 3.0 and two USB 2.0 ports.
- Integrate effortlessly with industrial systems using the dedicated DB9 serial port (RS232).
- Ensure stable, high-speed networking with 1000 Mbps Ethernet, providing reliable wired connectivity for critical environments.
- Encased in a durable, powder-coated black steel housing, this Mini PC is built to withstand operating temperatures from 0°C to 40°C.
- Certified for quality and compliance with BIS, RoHS, and ISO standards.
- Powered by a robust 12V 7A adapter with a wide 100~275V AC input range, ensuring consistent operation.



# 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	64 GB
SSD Storage	128 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
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	1.33kg, 1.75kg

### OPERATING SYSTEM

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Operating System	Microsoft Windows 11 Pro
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## Ordering Information

PRODUCT CODE			
<b>H-i5_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b>			
RAM	<b>4</b> = 4GB DDR4 <b>64</b> = 64GB DDR4	<b>8</b> = 8GB DDR4	<b>16</b> = 16GB DDR4 <b>32</b> = 32GB DDR4
SSD	<b>m128</b> = 128GB <b>m32</b> = 32GB <b>m1024</b> = 1TB <b>S128</b> = 128GB		<b>m256</b> = 256GB <b>m512</b> = 512GB <b>S32</b> = 32GB MLC <b>S256</b> = 256GB
Wireless	<b>m</b> = Dual Band WiFi		<b>X</b> = No WiFi
OS	<b>DOS</b> = DOS <b>11V</b> = Windows 11 IoT Value <b>Thinix</b> = Thinix™ Embedded Linux		<b>W_OS</b> = Without OS <b>11P</b> = Windows 11 Pro <b>U</b> = Ubuntu Linux
Accessories	<b>0</b> = None <b>1S</b> = DB9 Serial <b>Mo</b> = Wired Optical Scroll Mouse		<b>KM</b> = Keyboard and Mouse set <b>MK</b> = Mechanical Keyboard

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