



# Thinvent Neo H Mini PC

## Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

## Dual LAN

## 16GB DDR4 RAM

## 256GB SSD

## No WiFi

## Windows 11 Pro

## DB9 Serial

SKU: H-I7\_12L-16-M256-12\_5-X-11P-1S



## Power Through Your Toughest Industrial Challenges: The High-Performance Neo H.

Where reliability meets raw power, the Thinvent® Neo H Mini PC is engineered for the relentless demands of industrial environments. As the high-performance flagship of our bestselling Neo line, it delivers unwavering processing muscle to drive your most critical control systems and applications.

### Built for the real world

- Experience robust, fanless operation in temperatures from 0° to 40°C, ensuring continuous performance where it matters most.

- Rely on a solid steel, powder-coated housing that stands up to vibration, dust, and the rigours of the factory floor.
- Connect with confidence using dual Gigabit LAN ports and a dedicated DB9 serial port for seamless integration with legacy machinery and modern networks.

Proudly engineered and manufactured entirely in India, the Neo H is more than a computer; it's an industrial workhorse. It provides the dependable core for automation, process control, and HMI systems, keeping your operations running smoothly 24/7. This is computing power, built solid.



# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

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Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	256 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
Serial Port	1 DB9 male RS232
RS485 Option	1

### NETWORKING

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Ethernet	1000 Mbps
Ethernet Ports	2

### 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	1.73kg, 2.14kg

### OPERATING SYSTEM

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Operating System	Microsoft Windows 11 Pro
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## Ordering Information

PRODUCT CODE	
<b>H-i7_12l-[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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