



# Thinvent Neo H Mini PC

## Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

## Dual LAN

## 64GB DDR4 RAM

## 512GB SSD

## No WiFi

## Windows 11 IoT Value

## DB9 Serial

SKU: H-I7\_12L-64-M512-12\_7-X-11V-1S



Unleash industrial power in a compact steel fortress.

### Thinvent Neo H Mini PC: The High-Performance Workhorse

Forged from solid steel and 100% made in India, the Neo H is our most robust and capable industrial computer. It's built to excel where reliability is non-negotiable and connectivity is key. This isn't just a computer; it's the dependable core for your most demanding control systems.

#### Engineered for Demanding Environments

- Conquer complex computational tasks with smooth, responsive performance that keeps your operations running without a hitch.
- Connect seamlessly to a wide array of industrial machinery and legacy equipment with its comprehensive suite of ports.

- Deploy with absolute confidence in harsh conditions, thanks to its rugged, powder-coated steel housing that stands up to dust, vibration, and challenging workspaces.
- Simplify your network architecture and ensure constant communication with dual Gigabit Ethernet ports for critical data transfer.

Ideal for mission-critical applications like industrial automation, process control, and digital signage systems where unwavering stability and versatile connectivity are paramount. Choose the Neo H for the power to control, the resilience to endure, and the pedigree of being designed and built for industry.



# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	64 GB
SSD Storage	512 GB

### DISPLAY

HDMI	1
VGA	1

### AUDIO

Speaker Out	1
Mic In	1

### CONNECTIVITY

USB 3.2	2
Serial Port	1 DB9 male RS232
RS485 Option	1

### NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2

### POWER

DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum
Cable Length	2 Metre

### ENVIRONMENTAL

Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH, non condensing
Certifications	BIS, RoHS, ISO

### PHYSICAL

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	1.82kg, 2.24kg

### OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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