



# 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

## 128GB SSD

## Dual Band WiFi

## Windows 11 IoT Value

## DB9 Serial

SKU: H-I7\_12L-16-M128-12\_7-M-11V-1S



Engineered for the relentless demands of industry: Meet the Thinvent Neo H.

### Uncompromising Power for Critical Operations

Built as the high-performance pinnacle of our bestselling Neo series, this industrial workhorse is designed to thrive where it matters most. Its robust processing muscle effortlessly tackles complex industrial control, automation, and data acquisition tasks, ensuring your operations never miss a beat.

### The Rugged Heart of Your System

Housed within a solid, powder-coated steel chassis, the Neo H is 100% designed and made in India for ultimate durability in challenging environments. It's not just a computer; it's a steadfast partner built to last.

### Maximum Connectivity, Seamless Integration

Forget compatibility headaches. With legacy serial ports alongside modern dual LAN and high-speed connectivity, the Neo H plugs directly into both new and existing industrial ecosystems. This versatile hub simplifies your setup, driving machinery, managing sensors, and controlling processes with proven reliability.

### Why choose the Neo H

- Deploy a powerhouse engineered specifically for rigorous, 24/7 industrial applications.
- Rely on a locally made, solid steel build that guarantees resilience on the factory floor.
- Simplify complex installations with a host of built-in connectivity options for seamless integration.
- Invest in the performance leader of the Neo family, trusted to handle your most demanding control tasks.

# 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	16 GB
SSD Storage	128 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

### 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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