

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 16GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Ubuntu Linux

SKU: H-I3\_12-16-M128-12\_5-M-U-0



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

Experience the High Performance evolution of our bestselling Neo model. The Thinvent® Neo H Mini PC is an industrial workhorse, 100% designed and made in India, featuring a robust, solid steel build. It's our largest product, engineered for demanding environments.

### Core Performance

Powered by the Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and supported by a 10 MB cache, the Neo H delivers exceptional processing power for complex industrial control and similar applications.

### Memory and Storage

- Massive 64GB DDR4 RAM for superior multitasking
- Blazing-fast 1TB SSD for rapid data access and ample storage

### Connectivity Options

#### Stay connected with a comprehensive suite of ports

- 2x USB 3.2 ports and 2x USB 2.0 ports for versatile peripheral connections

- HDMI and VGA for flexible dual display configurations
- Speaker Out and Mic In for complete audio management
- Gigabit Ethernet (1000 Mbps) for ultra-reliable wired networking
- Dual Band Wi-Fi 5 (802.11ac) for high-speed wireless flexibility

### Built for Durability

The sleek black, powder-coated steel housing ensures long-term reliability.

- Dimensions: 210mm x 202mm x 80mm
- Wide operating temperature: 0°C ~ 40°C
- Operating humidity: 20% ~ 80% RH, non-condensing
- Certified: BIS, RoHS, ISO

### Power Supply

Equipped with a robust 12V 7A adapter (100~275V AC, 50~60Hz input) and a 2-metre cable, providing stable, continuous power.

### Operating System

- Ubuntu Linux 24.04 LTS

# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

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Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	16 GB
SSD Storage	128 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
USB 2.0	2
RS485 Option	1

### NETWORKING

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Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

### 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	1.69kg, 2.11kg

### OPERATING SYSTEM

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Operating System	Ubuntu Linux 24.04 LTS
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## Ordering Information

PRODUCT CODE	
<b>H-i3_12-[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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