



# Thinvent Neo H Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 8GB DDR4 RAM

## 128GB SSD

## No WiFi

## Without OS

## DB9 Serial

SKU: H-I3\_12-8-M128-12\_5-X-W\_OS-1S



## Thinvent Neo H: The Industrial Powerhouse for Demanding Operations

Experience uncompromising performance and rock-solid reliability with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. As our largest and most robust offering, this 100% designed and made in India industrial workhorse delivers powerful CPU and RAM configurations engineered for critical applications like industrial control.

### Unrivaled Performance

At its heart lies the Intel® Core™ i3-1215U processor, boasting 6 cores and a max frequency of 4.4 GHz with a 10 MB cache, ensuring swift, efficient processing. Paired with 16GB DDR4 RAM, the Neo H handles intensive multitasking with ease, while the 128GB SSD provides lightning-fast boot-ups and application loads.

### Industrial-Grade Connectivity and Durability

The Neo H is built for the factory floor, not just the office. Its solid steel housing with a powder-coated black finish ensures extreme durability.

- Essential industrial connectivity includes a crucial DB9 male RS232 serial port for legacy and control systems.
- Dual display options with HDMI and VGA ports.
- Four USB ports (2x USB 3.2, 2x USB 2.0) for versatile peripheral support.
- A reliable 1000 Mbps Ethernet connection for stable networking, intentionally omitting WiFi for enhanced security and interference-free operation in sensitive environments.
- Audio input/output with Mic In and Speaker Out ports.

Operating flawlessly from 0°C to 40°C, this system is powered by a robust 12V 7A adapter with a wide 100~275V AC input range, built to endure. Certified with BIS, RoHS, and ISO, the Neo H signifies uncompromising quality. Provided without an operating system, it offers the flexibility to deploy your preferred OS on a compact 210mm x 202mm x 80mm footprint.



## 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	8 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
Serial Port	1 DB9 male RS232
RS485 Option	1

### 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	1.69kg, 2.11kg

### OPERATING SYSTEM

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Operating System	Without OS
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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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