



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM (2 x 8GB)

1TB SSD

No WiFi

Windows 11 IoT Value

Thinvent Keyboard and Mouse set

SKU: H-I3-12-8-8-M1024-12_5-X-11V-KM



Unleash Industrial Power in a Compact Form: The Thinvent® Neo H Mini PC

Experience the pinnacle of performance and reliability with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. Engineered as an industrial workhorse, this largest variant boasts a powerful Intel® Core™ i3-1215U processor featuring 6 cores that reach up to 4.4 GHz with a 10 MB cache, ensuring seamless multitasking and demanding application handling. Paired with 4GB DDR4 RAM and a lightning-fast 512GB SSD, you'll enjoy swift boot times and ample storage for your critical data and operations.

Connectivity is paramount for industrial applications, and the Neo H delivers with an extensive array of ports. Connect multiple displays effortlessly via HDMI and VGA. Integrated speaker out and mic in facilitate audio communication. With 2 USB 3.2 and 2 USB 2.0 ports, all your peripherals will find a home. A robust 1000 Mbps Ethernet port guarantees a stable and high-speed network connection.

Built for durability, its solid steel housing, finished in classic black powder coating, is designed to withstand the rigors of industrial environments, operating reliably between 0°C and 40°C. Powering this powerhouse is a 12V 7A adapter with universal 100~275 Volts AC input, ensuring compatibility worldwide.

Included is a Thinvent® Keyboard and Mouse set, and the system comes pre-loaded with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, providing a secure and stable operating system ideal for industrial control and similar applications. 100% designed and made in India, the Thinvent® Neo H Mini PC is your trusted partner for uncompromising performance and lasting value.

Key Specifications

- Processor: Intel® Core™ i3-1215U (6 Cores, up to 4.4 GHz, 10 MB Cache)
- RAM: 4GB DDR4
- Storage: 512GB SSD
- Ports: 1 HDMI, 1 VGA, 1 Speaker Out, 1 Mic In, 2 USB 3.2, 2 USB 2.0, 1000 Mbps Ethernet
- Power Adapter: 12V 7A (2 Metre Cable)
- Operating System: Windows 11 IoT Enterprise LTSC 2024 Value
- Build: Solid Steel Housing, Black Powder Coating
- Certifications: BIS, RoHS, ISO
- Dimensions: 210mm × 202mm × 80mm



Thinvent Neo H Mini PC



Specifications

PROCESSING

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	1024 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
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POWER

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

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	2.21kg, 2.63kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

H-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM

4 = 4GB DDR4

8 = 8GB DDR4

16 = 16GB DDR4

32 = 32GB DDR4

32_32 = 64GB
DDR4 RAM (2 x
32GB)16_16 = 32GB
DDR4 RAM (2 x
16GB)8_8 = 16GB DDR4
RAM (2 x 8GB)

SSD

m128 = 128GB

m512 = 512GB

S32 = 32GB MLC

S256 = 256GB

m256 = 256GB

m1024 = 1TB

S128 = 128GB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

Thinux = Thinux™ Embedded Linux

W_OS = Without OS

11P = Windows 11 Pro

U = Ubuntu Linux

Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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