



Thinvent Neo H Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

1TB SSD

No WiFi

Windows 11 Pro

DB9 Serial

SKU: H-I3-13-16-16-M1024-12-7-X-11P-1S



Unleash Industrial Power: The Thinvent® Neo H Mini PC is Your Ultimate Workhorse.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. This is our largest, most robust product yet, 100% designed and made in India with a solid steel build to be the ultimate industrial workhorse. Engineered for demanding industrial control and similar applications, it combines raw power with exceptional reliability.

Core Performance

- Powered by the Intel® Core™ i3-1315U processor, featuring 6 cores and turbo speeds up to 4.5 GHz with a 10 MB cache, delivering unparalleled processing power for complex tasks.
- Equipped with 32GB DDR4 RAM for smooth multitasking.
- A rapid 1TB SSD ensures lightning-fast boot times and application loading.

Industrial Grade Connectivity

- Seamlessly integrate with legacy systems using the dedicated DB9 male RS232 serial port.
- Expand your setup with 2x USB 3.2 and 2x USB 2.0 ports.

- Versatile display options include 1x HDMI and 1x VGA.
- Reliable wired networking is guaranteed with 1000 Mbps Ethernet; this model is designed for dedicated wired connections and features no WiFi.
- Comprehensive audio support with 1x Speaker Out and 1x Mic In.

Built for Extremes

- Housed in robust, black powder-coated steel, built to endure harsh environments.
- Operates reliably across a wide temperature range of 0°C to 40°C.
- Designed for humidity from 20% to 80% RH, non-condensing.
- Certifications include BIS, RoHS, and ISO, assuring quality and safety.

Power and Operating System

- Comes with a robust 12V 7A DC adapter, supporting a wide power input of 100~275 Volts AC.
- Pre-installed with Microsoft Windows 11 Pro, providing a secure and powerful platform for all your professional needs.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 GHz
Cache	10 MB
Main Memory	32 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
Serial Port	1 DB9 male RS232

NETWORKING

Ethernet	1000 Mbps
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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	1.72kg, 2.14kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 Pro
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Ordering Information

PRODUCT CODE

H-i3_13-[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

Thinix = Thinix™ 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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