



Thinvent Neo H Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

4GB DDR4 RAM

512GB SSD

Dual Band WiFi

Windows 11 IoT Value

DB9 Serial

SKU: H-I3_13-4-M512-12_5-M-11V-1S



Unleash Industrial Power: The Neo H Mini PC.

Experience the pinnacle of robust performance with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo line. Engineered as an industrial workhorse, this made-in-India solution delivers unparalleled reliability and power for the most demanding applications, from industrial control to advanced automation. This is our largest product with powerful CPU and RAM configurations, designed to be an industrial workhorse with a host of connectivity options.

Unmatched Processing Power

- At its core, an Intel® Core™ i3-1315U processor boasts 6 cores with speeds up to 4.5 GHz and a 10 MB cache, ensuring lightning-fast multi-tasking and efficient data processing.
- Coupled with 8GB DDR4 RAM, it effortlessly handles complex operations.
- The 32GB MLC SSD provides robust, high-endurance storage optimized for critical embedded systems.
- Running Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, it offers long-term stability and security essential for industrial environments.

Versatile Connectivity

- A comprehensive suite of ports includes 1 HDMI and 1 VGA for dual display options.
- 2 USB 3.2 and 2 USB 2.0 ports offer ample peripheral connectivity.
- A dedicated DB9 male RS232 serial port is perfect for legacy and specialized industrial equipment.
- Stay connected with 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac).
- Audio needs are met with a speaker out and mic in.

Built for Endurance

- Housed in solid, powder-coated black steel (210mm x 202mm x 80mm), the Neo H is built to withstand rigorous environments.
- Operates reliably in temperatures from 0°C to 40°C and 20% to 80% non-condensing humidity.
- Powered by a resilient 12V 7A adapter with wide 100~275V AC input.
- Certified with BIS, RoHS, and ISO, ensuring quality and compliance.

The Thinvent Neo H Mini PC is your ultimate partner for critical industrial applications, combining powerful components, extensive connectivity, and enduring construction, all proudly designed and made in India.

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	4 GB
SSD Storage	512 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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	1.62kg, 2.04kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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