

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

4GB DDR4 RAM**2TB SSD****No WiFi****Ubuntu Linux**

SKU: H-I3_13-4-M2048-12_7-X-U-0



Unleash Industrial Power: The Neo H Mini PC, Made in India.

Product Overview

Meet the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. This is our largest and most powerful system, meticulously 100% designed and made in India, crafted as an industrial workhorse built for the most demanding environments. Its solid steel housing with a black powder-coat finish ensures unparalleled durability and a robust form factor (210mm × 202mm × 80mm).

Performance Prowess

Driven by an Intel® Core™ i3-1315U processor featuring 6 cores, a blistering max frequency of 4.5 GHz, and 10 MB of cache, the Neo H delivers exceptional processing power. Coupled with 16GB DDR4 RAM and a rapid 256GB SSD, it provides superior speed and responsiveness crucial for mission-critical applications.

Connectivity & Reliability

Engineered for industrial applications, this unit boasts a host of connectivity options for stable operation.

- Ports: 1 HDMI, 1 VGA, 2 USB 3.2, 2 USB 2.0, Speaker Out, Mic In.
- Network: A reliable 1000 Mbps Ethernet connection ensures secure, wired-only communication, ideal for industrial control systems where stability is paramount (No WiFi).
- Power: Operates on a wide 100~275 Volts AC input via a 12V 7A adapter with a 2-metre cable.
- Durability: Designed for tough conditions, it functions reliably between 0°C ~ 40°C with 20% ~ 80% RH non-condensing humidity.

Operating System & Certifications

Pre-loaded with Ubuntu Linux 24.04 LTS, it provides a stable, secure, and open-source platform. The Neo H Mini PC is proudly BIS, RoHS, and ISO certified, guaranteeing quality and compliance. Perfectly suited for industrial control and similar applications where performance, reliability, and robust wired connectivity are essential.



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	2048 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2

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	Ubuntu Linux 24.04 LTS
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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

m2048 = 2TB

S128 = 128GB

m256 = 256GB

m1024 = 1TB

S32 = 32GB MLC

S256 = 256GB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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