



Thinvent Neo H Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

32GB DDR4 RAM

512GB SSD

Dual Band WiFi

Ubuntu Linux

DB9 Serial

SKU: H-I3_13-32-M512-12_5-M-U-1S



Unleash Unrivaled Performance: The Industrial Powerhouse, Made in India.

Introducing the Thinvent® Neo H Mini PC – the high-performance evolution of our bestselling Neo series. This isn't just our largest model; it's a robust industrial workhorse, meticulously designed and 100% made in India to deliver uncompromising power and versatility for demanding applications like industrial control. Built with a solid, powder-coated steel housing in sleek black, the Neo H is engineered for endurance.

Processing Prowess

Experience next-level computing with the Intel® Core™ i3-1315U processor, featuring 6 cores and a blistering 4.5 GHz max frequency. With a massive 64GB DDR4 RAM and a lightning-fast 512GB SSD, the Neo H effortlessly handles intensive tasks, complex data processing, and seamless multitasking.

Unmatched Connectivity and Control

Engineered for integration, the Neo H offers a comprehensive host of connectivity options

- Essential display outputs: 1 HDMI, 1 VGA
- High-speed data: 2 USB 3.2, 2 USB 2.0
- Critical legacy support: 1 DB9 male RS232 serial port
- Robust networking: 1000 Mbps Ethernet, Dual Band Wi-Fi 5 (802.11ac)
- Audio flexibility: Speaker Out, Mic In

Built for Reliability

Measuring 210mm × 202mm × 80mm, this Mini PC is compact yet incredibly durable. It operates reliably from 0°C to 40°C and 20% to 80% non-condensing humidity. Powered by Ubuntu Linux 24.04 LTS, it offers a secure and stable platform. Certified with BIS, RoHS, and ISO, the Neo H guarantees quality and compliance, making it the ideal choice for mission-critical environments.

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	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	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 64 = 64GB DDR4
SSD	m128 = 128GB m256 = 256GB m32 = 32GB m512 = 512GB m1024 = 1TB S32 = 32GB MLC S128 = 128GB S256 = 256GB
Wireless	m = Dual Band WiFi X = No WiFi
OS	DOS = DOS W_OS = Without OS 11V = Windows 11 IoT Value 11P = Windows 11 Pro Thinix = Thinix™ Embedded Linux U = Ubuntu Linux
Accessories	0 = None KM = Keyboard and Mouse set 1S = DB9 Serial MK = Mechanical Keyboard Mo = Wired Optical Scroll Mouse

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