



Thinvent Neo H Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

1TB SSD

Dual Band WiFi

Ubuntu Linux

SKU: H-I3_13-32_32-M1024-12_7-M-U-O



Thinvent® Neo H: The Industrial Powerhouse, Made in India.

Experience the next level of performance with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. This industrial workhorse, our largest and most powerful, is 100% designed and made in India, engineered for demanding applications like industrial control.

Unrivalled Performance

- At its core is the Intel® Core™ i3-1315U processor, featuring 6 cores with speeds up to 4.5 GHz and a 10 MB cache for swift, efficient processing.
- Seamlessly multitask with 16GB DDR4 RAM, ensuring smooth operation even with intensive workloads.
- Experience lightning-fast boot times and rapid data access with a generous 512GB SSD.

Robust Connectivity

- Stay connected with dual-band Wi-Fi 5 (802.11ac) and a blazing 1000 Mbps Ethernet port.
- Versatile display options with 1 HDMI and 1 VGA port.
- Comprehensive I/O includes 2 USB 3.2 ports, 2 USB 2.0 ports, 1 speaker out, and 1 mic in.

Built for Durability

- Housed in a solid, powder-coated steel chassis, the Neo H is built to withstand challenging environments.
- Operates reliably from 0°C to 40°C and 20% to 80% non-condensing humidity.
- Certified with BIS, RoHS, and ISO for guaranteed quality and safety.

Optimized Operating System

- Pre-installed with Ubuntu Linux 24.04 LTS, offering a secure, stable, and long-term supported platform.

Power and Design

- Efficient power delivery with a 12V 7A adapter and a 2-metre cable, accepting 100~275V AC input.
- Compact dimensions of 210mm × 202mm × 80mm in a sleek black finish.

The Thinvent® Neo H Mini PC delivers unparalleled power, reliability, and connectivity, making it the ultimate choice for your industrial and critical computing 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	64 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

NETWORKING

Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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

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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