



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

No WiFi

DOS

DB9 Serial

SKU: H-I3_13-32_32-M1024-12_7-X-
DOS-1S



Thinvent Neo H: India's Industrial Workhorse, Redefined.

The Thinvent® Neo H Mini PC is the high-performance evolution of our bestselling Neo series, engineered as a robust industrial workhorse for demanding applications. This is our largest product with powerful CPU and RAM configurations. 100% designed and made in India, this solid steel machine delivers unparalleled power and reliability.

Unmatched Performance

- Driven by the Intel® Core™ i3-1315U processor, featuring 6 cores and speeds up to 4.5 GHz with a 10 MB cache, it handles complex tasks with ease.
- Equipped with 8GB DDR4 RAM and a rapid 256GB SSD, experience lightning-fast boot times and seamless multitasking.

Industrial-Grade Connectivity

- Specifically designed for industrial control and similar applications, the Neo H boasts a dedicated DB9 male RS232 serial port.
- Dual display outputs (1 HDMI, 1 VGA) offer versatile monitoring.

- Connect peripherals with 2 USB 3.2 and 2 USB 2.0 ports.
- A stable 1000 Mbps Ethernet connection ensures reliable network access, perfect for environments where wireless interference is a concern (No WiFi included).
- Essential audio ports include Speaker Out and Mic In.

Built for Endurance

- Housed in a durable, power-coated black steel chassis (210mm x 202mm x 80mm).
- Operates reliably in temperatures from 0°C to 40°C and humidity from 20% to 80% RH, non condensing.
- Certified with BIS, RoHS, and ISO standards, ensuring quality and compliance.
- Powered by a robust 12V 7A adapter with a 2-metre cable, accepting 100~275V AC input.

Operating System

- Comes pre-installed with FreeDOS, providing a flexible base for custom software deployments or tailored operating systems.



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
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	FreeDOS
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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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