



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

DOS

DB9 Serial

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



Compact Powerhouse: Built for Industrial Demands

Introducing the Thinvent® Neo H Mini PC: the high-performance evolution of our bestselling Neo model. This isn't just a mini PC; it's a robust industrial workhorse, meticulously designed and 100% made in India to deliver uncompromising power and reliability. Encased in solid, power-coated steel, the Neo H is built to endure, making it ideal for demanding industrial control and similar applications.

Unrivalled Performance

- Experience lightning-fast processing with the Intel® Core™ i3-1315U processor, featuring 6 cores and burst speeds up to 4.5 GHz, backed by a generous 10 MB cache.
- Multitask effortlessly with 32GB DDR4 RAM, ensuring smooth operation even with intensive workloads.
- Benefit from rapid boot times and quick data access with the 32GB MLC SSD.

Versatile Connectivity

- Seamlessly integrate with any setup using a comprehensive array of ports, including a DB9 male RS232 Serial port vital for industrial communication.

- Stay connected with blazing-fast 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac).
- Visual flexibility with 1 HDMI and 1 VGA output.
- Ample peripheral support with 2 USB 3.2 and 2 USB 2.0 ports, plus dedicated speaker out and mic in.

Built for Industry

- Our largest product, yet maintaining a compact 210mm x 202mm x 80mm footprint.
- Operates reliably in temperatures from 0°C to 40°C and humidity from 20% to 80% RH.
- Wide power input (100~275V AC) ensures stable operation in diverse environments using its 12V 7A adapter.
- Certified with BIS, RoHS, and ISO for quality and compliance.
- Ships with FreeDOS, offering ultimate flexibility for your chosen operating system.

This powerhouse is engineered for resilience and high-performance computing wherever it's needed most.

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
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	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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