



Thinvent Neo H Mini PC

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

1TB SSD

Dual Band WiFi

DOS

DB9 Serial

SKU: H-I5_13-32_32-M1024-12_7-M-DOS-1S



Unleash Unrivalled Performance: The Industrial Powerhouse is Here.

Product Overview

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. As our largest product, this industrial workhorse is 100% designed and made in India, boasting powerful CPU and RAM configurations encased in a solid steel build. It's purpose-built for industrial control and similar demanding applications, offering a host of connectivity options.

Unmatched Performance

- Intel® Core™ i5-1335U processor: 10 cores, up to 4.6 GHz, and a substantial 12 MB cache deliver exceptional processing power for complex tasks.
- Blazing-fast memory: 8GB DDR4 RAM ensures seamless multitasking and responsiveness.
- Robust storage: A 32GB MLC SSD provides rapid boot times and reliable data access.

Industrial-Grade Connectivity

- Essential serial port: One DB9 male RS232 port for critical industrial control and legacy device integration.
- Versatile display outputs: Connect multiple screens with one HDMI and one VGA port.

- Comprehensive networking: Enjoy stable 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac) for flexible, high-speed data transfer.
- Ample USB ports: Two USB 3.2 and two USB 2.0 ports cater to all your peripheral needs.
- Audio support: Includes speaker out and mic in for complete audio functionality.

Durability and Reliability

- Solid construction: Steel housing with a durable powder-coated black finish, built to withstand harsh environments.
- Wide operating conditions: Designed to perform reliably from 0°C to 40°C and 20% to 80% RH non-condensing humidity.
- Certified quality: Backed by BIS, RoHS, and ISO certifications for peace of mind.
- Flexible power: Operates with a 12V 7A adapter, supporting 100~275 Volts AC input via a 2 Metre cable.
- Compact design: Measuring 210mm x 202mm x 80mm, it integrates easily into various setups.
- Operating System: Ships with FreeDOS, offering flexibility for custom installations.

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	13th
Series	i5
Processor Brand	Intel
Processor Model	1335U
Cores	10
Max Frequency	4.6 GHz
Cache	12 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, 2.13kg

OPERATING SYSTEM

Operating System	FreeDOS
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Ordering Information

PRODUCT CODE

H-i5_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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