



Thinvent Neo H Mini PC

Intel Core i5-12400 processor

6 core, up to 4.4 GHz, 18 MB cache

4GB DDR4 RAM

128GB SSD

Dual Band WiFi

Ubuntu Linux

DB9 Serial

SKU: H-I5_12D-4-M128-19_7-M-U-1S



Built for Industrial Work That Never Slows Down

Meet the Thinvent Neo H Mini PC, the high-performance heart of the bestselling Neo range. Powered by the 12th Generation Intel® Core™ i5-12400 processor, it delivers six cores and speeds of up to 4.4 GHz, giving your industrial control tasks the quick, responsive power they demand.

Designed for demanding environments, the Neo H is built to keep working when conditions get tough. Its steel base and aluminium cover, finished in powder-coated black, combine rugged protection with a sleek, professional look that suits any control room, workshop or factory floor.

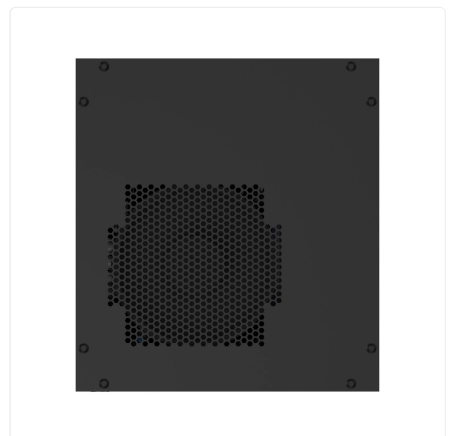
Connectivity is where the Neo H truly shines

- Two HDMI and one DisplayPort outputs for flexible multi-screen displays
- Two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports for fast peripheral connections

- One DB9 male RS232 serial port for legacy and industrial equipment
- Gigabit Ethernet for rapid, reliable network communication
- Dual-band Wi-Fi 5 for wireless flexibility
- Speaker and microphone ports for audio-enabled applications

Pre-loaded with Ubuntu Linux 24.04 LTS, the Neo H gives you a stable, open platform ready to deploy, with the freedom to tailor it to your own software needs.

Proudly designed and made in India, the Neo H Mini PC is ideal for industrial control, automation, monitoring and similar applications where performance and dependability matter most. Choose the Neo H and give your operations the workhorse they deserve.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	12400
Cores	6
Max Frequency	4.4 GHz
Cache	18 MB
Chipset	Intel B760
TPM	TPM 2.0 header
Main Memory	4 GB
SSD Storage	128 GB

DISPLAY

HDMI	2
DisplayPort	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2 Gen 2	2
USB 3.2 Gen 1	2
Serial Port	1 DB9 male RS232

NETWORKING

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

POWER

DC Voltage	19 Volts
DC Current	7 Amps
Power Input	100~240 Volts AC, 50~60 Hz, 1.5 Amps maximum
Cable Length	1.5 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	181.5mm × 199.5mm × 72mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Steel base, aluminium cover
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	0.91kg, 1.32kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE

H-i5_12d-[RAM]-[SSD]-19_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

m2048 = 2TB

S128 = 128GB

m128_S128 = Dual 128GB

S128_S32 = 128GB SSD + 32 GB MLC

m32_S32 = 32GB SSD + 32 GB MLC

h1024 = 1TB HDD

n1024_h1024 = 1TB NVMe SSD + 1TB HDD

m256 = 256GB

m1024 = 1TB

S32 = 32GB MLC

S256 = 256GB

m128_S32 = 128GB SSD + 32 GB MLC

S128_S128 = 128GB SSD + 128 GB MLC

S32_S32 = 32GB MLC SSD + 32 GB MLC

n512_h1024 = 512GB NVMe SSD + 1TB HDD

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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