Thinvent Neo H Mini PC

Intel Core i5-12400 processor

6 core, up to 4.4 GHz, 18 MB cache

16GB DDR4 RAM (2 x 8GB)

1TB SSD

Dual Band WiFi

Ubuntu Linux

SKU: H-I5_12D-8_8-M1024-19_7-M-U-0

Power Through Demanding Industrial Work with the Thinvent Neo H Mini PC

Compact power built for serious industrial tasks, the Thinvent Neo H is the high performance flagship of our bestselling Neo range. It pairs a 12th generation Intel Core i5 processor with a generous memory and storage configuration, giving you the responsiveness to keep operations moving.

Designed and manufactured entirely in India, the Neo H is ideal for industrial control and similar applications where reliability and performance count. Its steel base and aluminium cover, finished in durable powder-coated black, give it a robust, professional presence that suits factory floors, control rooms and busy workstations alike.

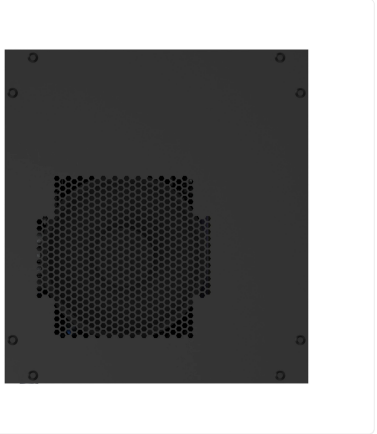
Connectivity is where the Neo H truly shines. You can

- Connect multiple displays through two HDMI ports and a DisplayPort
- Attach peripherals and storage quickly with two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports
- Link to your network with gigabit Ethernet for fast, dependable data transfer
- Go wireless with dual band Wi-Fi 5 when cabling is impractical
- Handle audio input and output for communication and monitoring tasks

Running Ubuntu Linux 24.04 LTS, the Neo H gives you a stable, long-supported operating system that many engineers and developers already trust, with no unnecessary extras getting in the way.

Its compact mini PC form factor saves valuable space, letting you fit serious computing power into tight installations without compromise.

Whether you are upgrading a control system, building a monitoring station or need a capable workhorse for everyday industrial software, the Thinvent Neo H delivers high performance in a neat, practical package.



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	16 GB
SSD Storage	1024 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

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

Thinvent Neo H Mini PC

Ordering Information

PRODUCT CODE

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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
- **m256** = 256GB
- **m512** = 512GB
- **m1024** = 1TB
- **m2048** = 2TB
- **S32** = 32GB MLC
- **S128** = 128GB
- **S256** = 256GB
- **m128_S128** = Dual 128GB
- **m128_S32** = 128GB SSD + 32 GB MLC
- **S128_S32** = 128GB SSD + 32 GB MLC
- **S128_S128** = 128GB SSD + 128 GB MLC
- **m32_S32** = 32GB SSD + 32 GB MLC
- **S32_S32** = 32GB MLC SSD + 32 GB MLC
- **h1024** = 1TB HDD
- **n512_h1024** = 512GB NVMe SSD + 1TB HDD
- **n1024_h1024** = 1TB NVMe SSD + 1TB HDD

Wireless

- **m** = Dual Band WiFi
- **X** = No WiFi

OS

- **DOS** = DOS
- **W_OS** = Without OS
- **11V** = Windows 11 IoT Value
- **11P** = Windows 11 Pro
- **11O** = Windows 11 Professional
- **Thinux** = Thinux™ Embedded Linux
- **U** = Ubuntu Linux

Accessories

- **0** = None
- **KM** = Keyboard and Mouse set
- **1S** = DB9 Serial
- **MK** = Mechanical Keyboard
- **Mo** = Wired Optical Scroll Mouse

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