



Thinvent Neo H Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

512GB SSD

Dual Band WiFi

Thinux Embedded Linux

Thinvent Keyboard and Mouse set

SKU: H-I5_12-16_16-M512-12_10-M-
THINUX-KM



Unleash Industrial Power in a Compact Form Factor

Introducing the Reinvented Neo H Mini PC, the high-performance evolution of our bestselling Neo model. Engineered for demanding industrial applications, this is our largest and most powerful mini PC yet, designed to be an absolute workhorse.

Performance Unleashed

Experience unparalleled speed and responsiveness with the Intel® Core™ i5-1250P processor, boasting 12 cores that reach up to 4.4 GHz, all supported by a substantial 12 MB cache. Multitasking and demanding applications are handled with ease thanks to 8GB of DDR4 RAM and a lightning-fast 512GB SSD, ensuring quick boot times and rapid data access.

Robust Connectivity

This mini PC is a connectivity powerhouse, featuring HDMI and VGA outputs for versatile display options, multiple USB 3.2 and USB 2.0 ports for all your peripherals, and a high-speed 1000 Mbps Ethernet port. Stay connected wirelessly with dual-band Wi-Fi (802.11ac).

Built for Durability

Crafted with a solid steel housing and finished with a sleek black powder coating, the Neo H Mini PC is built to withstand the rigors of industrial environments. Its compact dimensions (210mm × 202mm × 80mm) make it ideal for space-constrained settings.

Intelligent Embedded Linux

Powered by Thinux™ Embedded Linux, this PC offers a secure and efficient operating system preloaded with essential tools. Benefit from Chromium and Mozilla Firefox browsers, robust remote display options including RDP 10, Putty, and SSH, and browser-based remote management. It also supports Java, Python, LibreOffice, multimedia playback, and SIP for video and voice over IP communication.

Included Accessories

This comprehensive package includes a 12V 7A adapter, a 2-meter power cable, and a Thinvent® Keyboard and Mouse set, so you can get started right away.

Proudly Designed and Made in India

This industrial workhorse is 100% designed and made in India, adhering to BIS, RoHS, and ISO certifications.

Key Specifications

- CPU: Intel® Core™ i5-1250P processor (12 Core, up to 4.4 GHz, 12 MB Cache)
- RAM: 8GB DDR4
- Storage: 512GB SSD
- Connectivity: HDMI, VGA, Speaker Out, Mic In, 2x USB 3.2, 2x USB 2.0, 1000 Mbps Ethernet, Dual Band Wi-Fi
- Operating System: Thinvent® Thinux™ Embedded Linux
- Power: 12V 7A Adapter (100~275 Volts AC Input)
- Dimensions: 210mm × 202mm × 80mm
- Build: Solid Steel, Black Powder Coating





Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	512 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2

NETWORKING

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

POWER

DC Voltage	12 Volts
DC Current	10 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	2.34kg, 2.76kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

Ordering Information

PRODUCT CODE

H-i5_12-[RAM]-[SSD]-12_10-[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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