



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

64GB DDR4 RAM

512GB SSD

Dual Band WiFi

Thinux Embedded Linux

Thinvent Keyboard and Mouse set

SKU: H-I5_14-64-M512-12_5-M-THINUX-KM



Unleash Industrial Power: The Thinvent® Neo H Mini PC.

Experience the peak of performance with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. Engineered as an industrial workhorse, this compact powerhouse boasts an Intel® Core™ 5 120U processor, featuring 10 cores that reach up to an incredible 5.0 GHz with a 12 MB cache. Coupled with 4GB DDR4 RAM and a lightning-fast 512GB SSD, the Neo H delivers exceptional speed and responsiveness for demanding applications.

Connectivity Hub

- Dual HDMI, one VGA, speaker out, mic in, and four USB ports (2x USB 3.0, 2x USB 2.0) ensure seamless integration with your peripherals.
- A 1000 Mbps Ethernet port provides reliable wired networking, while Dual Band WiFi (Wi-Fi 5, 802.11ac) offers flexible wireless connectivity.

Robust Design and Operating System

- Housed in a durable, black steel chassis with a power coating, the Neo H is built to withstand industrial environments.

- Powered by Thinux™ Embedded Linux, this system is optimized for efficiency and security, including Chromium and Mozilla Firefox browsers, advanced remote display capabilities (RDP 10, Putty, SSH), browser-based management, VNC shadowing, and support for Java, Python, and glibc location applications.
- Enjoy productivity with LibreOffice and a PDF viewer, and entertainment with a multimedia player supporting MPEG4 and SIP video/voice over IP.
- Designed and made in India, with BIS, RoHS, and ISO certifications.

Included Accessories

- A 12V 7A adapter with a 2-meter cable provides stable power.
- A Thinvent® Keyboard and Mouse set completes the package.
- Operating Temperature: 0°C ~ 40°C. Operating Humidity: 20% ~ 80% RH, non-condensing.
- Dimensions: 210mm × 202mm × 80mm.

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	64 GB
SSD Storage	512 GB

DISPLAY

HDMI	2
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.0	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	5 Amps
Power Input	100~240 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	1.85kg, 2.27kg

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_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM	4 = 4GB DDR4 64 = 64GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4	32 = 32GB DDR4
SSD	m128 = 128GB m32 = 32GB m1024 = 1TB S128 = 128GB	m256 = 256GB m512 = 512GB S32 = 32GB MLC S256 = 256GB		
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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