



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

32GB DDR4 RAM

32GB MLC SSD

Dual Band WiFi

DOS

Thinvent Keyboard and Mouse set

SKU: H-I5_14-32-S32-12_5-M-DOS-KM



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

Experience the pinnacle of performance and reliability with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. Engineered as an industrial workhorse, this compact powerhouse is designed to tackle demanding applications with unwavering stability.

Unrivalled Processing Muscle

- Powered by the Intel® Core™ 5 120U processor, featuring a formidable 10 cores that reach up to 5.0 GHz with a 12 MB cache, ensuring lightning-fast multitasking and responsiveness.

Robust Memory and Storage

- 4GB DDR4 RAM provides smooth operation for your critical tasks.
- A speedy 128GB SSD offers rapid boot times and quick access to your essential files.

Versatile Connectivity for Every Need

- Dual HDMI and one VGA port offer extensive display options for your industrial control setups.
- Connect all your peripherals with 2x USB 3.0 and 2x USB 2.0 ports.

- Enjoy seamless networking with 1000 Mbps Ethernet and Dual Band Wi-Fi 5 (802.11ac).
- Integrated speaker out and mic in for audio integration.

Built to Endure

- A rugged steel housing with a durable black power coating ensures longevity in any industrial environment.
- 100% designed and made in India, embodying quality and innovation.

Ready for Immediate Deployment

- Comes pre-loaded with FreeDOS, giving you the flexibility to install your preferred operating system.
- Includes a Thinvent® keyboard and mouse set for instant productivity.
- A reliable 12V 7A adapter powers this industrial champion.

Certifications and Specifications

- BIS, RoHS, ISO certified for peace of mind.
- Dimensions: 210mm × 202mm × 80mm.
- Wide operating temperature (0°C ~ 40°C) and humidity (20% ~ 80% RH, non condensing) range.

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	32 GB
SSD Storage	32 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	FreeDOS
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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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