



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

64GB DDR4 RAM

1TB SSD

No WiFi

DOS

DB9 Serial

SKU: H-I5_14-64-M1024-12_5-X-DOS-1S



Thinvent Neo H: The Industrial Powerhouse Engineered for Extreme Performance.

Experience the high-performance evolution of our bestselling Neo model with the Thinvent® Neo H Mini PC. As our largest and most powerful offering, this industrial workhorse is 100% designed and made in India, featuring a solid steel build for uncompromising durability. Perfect for demanding industrial control and similar applications, the Neo H delivers robust processing power and a host of connectivity options.

Unmatched Performance

- Driven by an Intel® Core™ 5 120U processor, featuring 10 cores and clocking up to 5.0 GHz with a 12 MB cache, it provides exceptional speed for complex tasks.
- Benefit from rapid multi-tasking and quick boot times thanks to 64GB DDR4 RAM and a swift 1TB SSD.

Industrial-Grade Connectivity

- Connect multiple displays with 2 HDMI and 1 VGA port.
- Access legacy systems with a dedicated DB9 male RS232 serial port.

- Enjoy stable, interference-free networking with integrated 1000 Mbps Gigabit Ethernet.
- Expand peripherals via 2 USB 3.0 and 2 USB 2.0 ports.
- Includes speaker out and mic in for audio needs.

Built to Last

- Housed in a durable, powder-coated black steel chassis (210mm x 202mm x 80mm), designed to withstand tough environments.
- Operates reliably in temperatures from 0°C to 40°C and 20% to 80% non-condensing humidity.
- Certified with BIS, RoHS, and ISO for quality and compliance.
- Power flexibility with a 12V 7A adapter and a wide 100~275V AC input range.

The Neo H comes with FreeDOS, offering the flexibility to install your preferred industrial operating system for specialized applications.



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	1024 GB

DISPLAY

HDMI	2
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.0	2
USB 2.0	2
Serial Port	1 DB9 male RS232

NETWORKING

Ethernet	1000 Mbps
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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	1.33kg, 1.75kg

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 8 = 8GB DDR4 16 = 16GB DDR4 32 = 32GB DDR4 64 = 64GB DDR4
SSD	m128 = 128GB m256 = 256GB m32 = 32GB m512 = 512GB m1024 = 1TB S32 = 32GB MLC S128 = 128GB S256 = 256GB
Wireless	m = Dual Band WiFi X = No WiFi
OS	DOS = DOS W_OS = Without OS 11V = Windows 11 IoT Value 11P = Windows 11 Pro 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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