



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

1TB SSD

No WiFi

Without OS

DB9 Serial

SKU: H-I5_14-16-M1024-12_5-X-W_OS-1S



Powering Progress, Engineered for Endurance.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This is an industrial workhorse, meticulously designed and 100% made in India, delivering uncompromising power and reliability. Encased in a solid steel housing (210mm x 202mm x 80mm) with a durable black powder coating, it's built to withstand the most demanding environments.

Unleashed Performance

Experience unparalleled processing capabilities with the Intel® Core™ 5 120U processor, featuring 10 cores reaching up to 5.0 GHz with a 12 MB cache. Coupled with a massive 64GB DDR4 RAM, the Neo H effortlessly handles complex computations, data processing, and heavy loads. Its 128GB SSD ensures rapid boot-ups and swift application launches, optimizing operational workflows crucial for industrial control applications.

Industrial-Grade Connectivity & Reliability

Tailored for industrial control and similar demanding environments, the Neo H offers robust connectivity and steadfast reliability.

Key Connections

- Critical DB9 male RS232 serial port for seamless legacy equipment
- Dual HDMI and VGA for versatile multi-display configurations
- Speaker Out and Mic In for audio integration
- Four USB ports (2x 3.0, 2x 2.0)
- 1000 Mbps Ethernet for stable wired networking

It operates reliably across 0°C ~ 40°C and 20% ~ 80% RH (non-condensing), powered by a 12V 7A adapter with wide 100~275V AC input. With BIS, RoHS, and ISO certifications, quality and compliance are guaranteed.

Deployment Ready

Shipped without an operating system and intentionally lacking WiFi, the Neo H provides ultimate flexibility for installing your preferred industrial OS or custom software, ensuring a secure and tailored solution for your specific application needs.



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	16 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	Without OS
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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 Thinix = Thinix™ 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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