



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

32GB DDR4 RAM

512GB SSD

No WiFi

Windows 11 Pro

DB9 Serial

SKU: H-I5_14-32-M512-12_5-X-11P-1S



Unleash Unrivaled Industrial Power

Experience the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. As our largest product, this industrial workhorse is 100% designed and made in India, engineered with a solid steel build for uncompromising reliability and longevity in demanding environments. Perfectly suited for industrial control and similar critical applications.

Unmatched Performance for Demanding Tasks

- Harness the formidable Intel® Core™ 5 120U processor, boasting 10 cores and speeds up to 5.0 GHz with a 12 MB cache, delivering exceptional processing power for complex operations.
- Multitask seamlessly and handle intensive applications with 16GB DDR4 RAM.
- Benefit from lightning-fast boot times and ample storage with a 1TB SSD, ensuring rapid data access and system responsiveness.
- Drive productivity and security with Microsoft Windows 11 Pro.

Robust Connectivity and Design

- Expand your workspace with dual HDMI and a VGA port for flexible display configurations.
- Connect essential peripherals via two USB 3.0 and two USB 2.0 ports.
- Integrate effortlessly with industrial systems using the dedicated DB9 serial port (RS232).
- Ensure stable, high-speed networking with 1000 Mbps Ethernet, providing reliable wired connectivity for critical environments.
- Encased in a durable, powder-coated black steel housing, this Mini PC is built to withstand operating temperatures from 0°C to 40°C.
- Certified for quality and compliance with BIS, RoHS, and ISO standards.
- Powered by a robust 12V 7A adapter with a wide 100~275V AC input range, ensuring consistent operation.



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	512 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	Microsoft Windows 11 Pro
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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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