



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

8GB DDR4 RAM

1TB SSD

Dual Band WiFi

Windows 11 IoT Value

DB9 Serial

SKU: H-I5_14-8-M1024-12_5-M-11V-1S



Unleash unparalleled power and reliability with the industrial-grade Thinvent® Neo H Mini PC.

The Thinvent® Neo H Mini PC is the high-performance pinnacle of our bestselling Neo series, engineered as a robust industrial workhorse. 100% designed and made in India, its solid steel build ensures exceptional durability for demanding environments.

Performance Redefined

Powered by an Intel® Core™ 5 120U processor (10 cores, up to 5.0 GHz, 12 MB cache), the Neo H delivers blazing-fast execution. With an expansive 64GB DDR4 RAM and a lightning-quick 1TB SSD, it offers immense power and speed for the most intensive industrial control and advanced applications.

Industrial Connectivity & Versatility

This powerhouse provides comprehensive connectivity

- A dedicated DB9 RS232 serial port for legacy and industrial peripherals.
- Triple display support with two HDMI and one VGA output.

- Reliable Dual Band Wi-Fi 5 (802.11ac) and 1000 Mbps Gigabit Ethernet.
- Four USB ports (two 3.0, two 2.0) for versatile peripheral connection.

Built for Endurance

The Neo H features a robust, power-coated steel housing, operating reliably from 0°C to 40°C. Running on Windows 11 IoT Enterprise LTSC 2024 Value, it ensures long-term stability and security.

- Certified with BIS, RoHS, and ISO for quality and compliance.
- Powered by a wide-range 100~275V AC input.

Compact Powerhouse

Despite formidable capabilities, its compact 210mm × 202mm × 80mm footprint makes it an ideal, space-saving solution for rigorous industrial control 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	8 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
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	1.33kg, 1.75kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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