



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

32GB DDR4 RAM

2TB SSD

Dual Band WiFi

Windows 11 Pro

DB9 Serial

SKU: H-I5_14-32-M2048-12_7-M-11P-1S



Unleash Industrial Power: The Neo H Mini PC Redefines Performance.

Experience the high-performance evolution of our bestselling Neo series with the Thinvent® Neo H Mini PC. Engineered as an industrial workhorse, this powerhouse boasts our largest CPU and RAM configurations, designed to excel in demanding industrial control and similar applications. 100% designed and made in India with a solid steel build, it offers uncompromising durability.

Key Performance

- At its core lies an Intel® Core™ 5 120U processor with 10 cores and speeds up to 5.0 GHz, supported by a 12 MB cache for unparalleled processing power.
- Effortless multitasking and handling of heavy workloads are guaranteed with a substantial 32GB DDR4 RAM.
- Enjoy lightning-fast responsiveness and rapid application loading thanks to the 256GB SSD.

Unrivalled Connectivity

- A host of connectivity options include 2 HDMI and 1 VGA ports for versatile display setups.

- Integrate effortlessly with industrial systems via the dedicated DB9 serial port.
- Benefit from dual-band Wi-Fi 5 (802.11ac) and Gigabit Ethernet for robust network access.
- Extensive peripheral support with 2 USB 3.0 and 2 USB 2.0 ports, plus Speaker Out and Mic In.

Built for Reliability

- Housed in a robust 210mm × 202mm × 80mm black powder-coated steel chassis, it's built to withstand challenging environments.
- Operates reliably from 0°C to 40°C, ensuring consistent performance.
- Pre-installed with Windows 11 Pro for enhanced security and productivity.
- Certified with BIS, RoHS, and ISO standards for assured quality.

This is a powerful, compact solution for your most critical operations.

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	2048 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	7 Amps
Power Input	100~275 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	1.43kg, 1.84kg

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
SSD	m128 = 128GB		m256 = 256GB	
	m512 = 512GB		m1024 = 1TB	
	m2048 = 2TB		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	
	110 = Windows 11 Professional		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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