



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

256GB SSD

Dual Band WiFi

Windows 11 IoT Value

Thinvent Keyboard and Mouse set

SKU: H-I5_14-16-M256-12_5-M-11V-KM



Unleash Industrial Power in a Compact Form Factor.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This industrial workhorse is our largest and most powerful model, meticulously engineered and 100% made in India for demanding applications like industrial control. Its solid steel construction with a powder-coated black finish ensures unmatched durability, designed to thrive in challenging environments.

Experience uncompromising performance with the Intel® Core™ 5 120U processor, featuring 10 cores and clocking up to 5.0 GHz with a generous 12 MB cache. Coupled with 16GB DDR4 RAM and a rapid 256GB SSD, the Neo H delivers swift multitasking, quick boot times, and seamless operation for your critical tasks. Powered by Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, it offers a secure and stable platform perfectly suited for dedicated industrial and embedded solutions.

Connectivity and Features

- Seamless Integration: Dual HDMI and a VGA port enable multi-monitor setups, while 2 USB 3.0, 2 USB 2.0, Speaker Out, and Mic In ports provide extensive peripheral and audio options.
- Robust Networking: Gigabit Ethernet ensures stable wired connections, complemented by dual-band Wi-Fi 5 (802.11ac) for flexible wireless deployment.
- Industrial Strength: Housed in robust steel (210mm × 202mm × 80mm), certified with BIS, RoHS, and ISO for reliable operation from 0°C to 40°C.
- Complete Package: Includes a Thinvent® Keyboard and Mouse set, plus a 12V 7A adapter with a 2-metre cable for versatile power input (100~275V AC).

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	256 GB

DISPLAY

HDMI	2
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.0	2
USB 2.0	2

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	1.85kg, 2.27kg

ACCESSORIES

Keyboard and Mouse	1
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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	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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