



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

64GB DDR4 RAM

512GB SSD

Dual Band WiFi

DOS

DB9 Serial

SKU: H-I5_14-64-M512-12_5-M-DOS-1S



Unleash Unrivaled Power in a Compact Form.

Introducing the Thinvent® Neo H Mini PC: the high-performance evolution of our bestselling Neo series. As our largest and most robust model, this industrial workhorse is 100% designed and made in India, engineered from solid steel to deliver uncompromising reliability and power for demanding industrial control and similar applications.

Unmatched Performance

Experience blazing-fast computing with the Intel® Core™ 5 120U processor, featuring a formidable 10 cores and clocking up to 5.0 GHz with 12 MB cache. Tackle complex tasks and run multiple applications simultaneously thanks to a massive 64GB DDR4 RAM and a lightning-quick 1TB SSD, ensuring seamless operation and rapid data access.

Robust Connectivity & Durability

The Neo H is built for versatile integration and endurance.

Connectivity Options

- Dual HDMI and a VGA port for multi-display setups
- Dedicated DB9 serial port for legacy and industrial devices
- Dual Band Wi-Fi 5 (802.11ac) and a 1000 Mbps Gigabit Ethernet port for robust networking
- 2x USB 3.0 and 2x USB 2.0 ports for all your peripherals
- Speaker out and Mic in for audio needs

Designed for challenging environments, its powder-coated black steel housing measures a compact 210mm × 202mm × 80mm, operating flawlessly from 0°C to 40°C.

Reliability Assured

Powered by a 12V 7A adapter with a 2-metre power cable and wide AC input (100~275V), and certified by BIS, RoHS, and ISO, the Thinvent® Neo H is a testament to quality. Pre-installed with FreeDOS, it offers a clean slate for your chosen operating system.

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	64 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
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	FreeDOS
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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
	64 = 64GB DDR4		32 = 32GB 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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