



Thinvent Neo H Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

512GB SSD

Dual Band WiFi

Without OS

DB9 Serial

SKU: H-I5_12-16_16-M512-12_7-M-W_OS-1S



Unleash Unrivaled Industrial Power: The Thinvent Neo H Mini PC.

Introducing the Thinvent Neo H Mini PC: The High Performance evolution of our bestselling Neo series, engineered as an unparalleled industrial workhorse. Meticulously 100% designed and made in India, this robust computing solution is encased in a solid, power-coated steel housing, built for peak reliability in the most demanding environments.

Uncompromising Performance

- At its core lies the formidable Intel Core i5-1250P processor, boasting 12 cores and bursting up to 4.4 GHz with a substantial 12 MB cache.
- Coupled with a massive 64GB DDR4 RAM, the Neo H delivers exceptional multitasking capabilities and lightning-fast data processing, ideal for critical industrial control and similar applications.
- A speedy 128GB SSD ensures rapid boot times and quick access to essential applications.

Extensive Connectivity for Industrial Demands

- Experience seamless integration with a comprehensive suite of connectivity options.
- Dual-band Wi-Fi 5 (802.11ac) and Gigabit Ethernet (1000 Mbps) ensure robust and reliable network access.
- A dedicated DB9 male RS232 serial port provides essential legacy support for industrial equipment.

- Expand your setup with two USB 3.2 ports, two USB 2.0 ports, HDMI, and VGA outputs for versatile display and peripheral connections.
- Audio needs are covered with a Speaker Out and Mic In port.

Engineered for Endurance

- The sturdy black steel housing, finished with power coating, ensures long-term durability.
- Certified by BIS, RoHS, and ISO, affirming its quality and environmental compliance.
- Designed for challenging conditions, it operates reliably within 0°C ~ 40°C and 20% ~ 80% RH non-condensing humidity.
- Powered by a robust 12V 7A adapter with a wide 100~275 Volts AC input range.

Flexible Deployment

- Shipped without an operating system, the Neo H offers the ultimate flexibility for custom software deployments, tailored precisely to your operational needs.

Compact Powerhouse

- Despite its power, its compact 210mm x 202mm x 80mm dimensions make it ideal for space-constrained installations without sacrificing performance or connectivity.





Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	512 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	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	1.82kg, 2.24kg

OPERATING SYSTEM

Operating System	Without OS
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Ordering Information

PRODUCT CODE

H-i5_12-[RAM]-[SSD]-12_10-[Wireless]-[OS]-[Accessories]

RAM	4 = 4GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4	32 = 32GB DDR4
	32_32 = 64GB DDR4 RAM (2 x 32GB)	16_16 = 32GB DDR4 RAM (2 x 16GB)	8_8 = 16GB DDR4 RAM (2 x 8GB)	
SSD	m128 = 128GB		m256 = 256GB	
	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	
	Thinux = Thinux™ 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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