



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)

2TB SSD

No WiFi

Without OS

DB9 Serial

SKU: H-I5_12-16_16-M2048-12_7-X-W_OS-1S



Unleash Unrivalled Performance: The Thinvent® Neo H Mini PC.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This is our largest and most robust product, meticulously engineered as an industrial workhorse, 100% designed and made in India. Its solid steel construction with a black powder-coated finish is built to endure, delivering unwavering reliability for the most demanding applications, including industrial control.

Performance at its core

- Intel® Core™ i5-1250P processor: 12 cores, up to 4.4 GHz, 12 MB cache for exceptional multitasking.
- 32GB DDR4 RAM: Seamless data processing and application handling.
- 512GB SSD: Lightning-fast boots, rapid application loading, and ample storage.

Connectivity for critical operations

- 1 DB9 male RS232 Serial Port: Essential for industrial automation and legacy device integration.

- 2 USB 3.2 Ports and 2 USB 2.0 Ports: Broad peripheral support.
- 1 HDMI and 1 VGA Port: Flexible dual-display capabilities.
- 1000 Mbps Ethernet: Stable, high-speed wired networking crucial for industrial environments.
- Speaker Out and Mic In: Integrated audio for diverse needs.

Engineered for resilience

- Operating Temperature: 0°C ~ 40°C
- Operating Humidity: 20% ~ 80% RH, non condensing
- Certifications: BIS, RoHS, ISO ensure quality and compliance.

The Neo H comes without an operating system, providing the flexibility to install your preferred platform. Powered by a robust 12V 7A adapter, it's ready for continuous, critical operation.



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	2048 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
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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_7-[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	m1024 = 1TB	
	m512 = 512GB	S32 = 32GB MLC	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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