



Thinvent Neo H Mini PC

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

4GB DDR4 RAM

256GB SSD

No WiFi

Windows 11 IoT Value

DB9 Serial

SKU: H-I5_13-4-M256-12_5-X-11V-1S



Thinvent Neo H: Unyielding Power, Unrivaed Reliability – Engineered for India's Toughest Industrial Demands.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. As our most robust offering and largest product, this industrial workhorse is meticulously designed and 100% made in India to deliver exceptional power and stability for critical applications.

Unleashed Performance

Experience uncompromising speed with the Intel® Core™ i5-1335U processor, featuring 10 cores and clocking up to 4.6 GHz with a 12 MB cache. Coupled with a massive 64GB DDR4 RAM and a lightning-fast 512GB SSD, the Neo H ensures seamless multitasking and rapid data processing. It runs on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, providing long-term reliability for embedded and industrial solutions.

Robust Connectivity & Control

The Neo H is built for seamless integration into industrial environments, featuring a host of essential connectivity options

- 1 DB9 male RS232 Serial Port, critical for legacy and modern industrial control systems
- 2 USB 3.2 ports and 2 USB 2.0 ports for versatile peripheral support
- 1 HDMI and 1 VGA port enabling flexible dual display configurations
- Gigabit Ethernet (1000 Mbps) for secure, stable wired networking
- Dedicated Speaker Out and Mic In for audio needs

For enhanced security and stability in sensitive industrial environments, WiFi is intentionally excluded.

Industrial Strength & Reliability

Housed in a solid black powder-coated steel chassis (210mm × 202mm × 80mm), the Neo H is engineered to thrive in demanding operational conditions, supporting temperatures from 0°C to 40°C and 20-80% non-condensing humidity. Powered by a robust 12V 7A adapter, it carries BIS, RoHS, and ISO certifications, guaranteeing quality, safety, and suitability for industrial control and similar applications.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	13th
Series	i5
Processor Brand	Intel
Processor Model	1335U
Cores	10
Max Frequency	4.6 GHz
Cache	12 MB
Main Memory	4 GB
SSD Storage	256 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	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	1.62kg, 2.04kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

H-i5_13-[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	
	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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