



Thinvent Neo H Mini PC

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

16GB DDR4 RAM

1TB SSD

Dual Band WiFi

Windows 11 IoT Value

DB9 Serial

SKU: H-I5-13-16-M1024-12_5-M-11V-1S



Thinvent® Neo H: Industrial Powerhouse, Compact Brilliance

Unleash unrivaled performance with the Thinvent® Neo H Mini PC, the high-performance evolution of our best-selling Neo series. This robust, industrial workhorse, proudly 100% designed and made in India, is engineered for the most demanding environments.

Core Performance

- Powered by the Intel® Core™ i5-1335U processor: 10 cores, up to 4.6 GHz, 12 MB cache
- 8GB DDR4 RAM for smooth multitasking
- Lightning-fast 128GB SSD for rapid boot-up and application loading

Built for Industry

- Solid steel housing with durable powder coating for extreme resilience
- Critical DB9 male RS232 serial port for industrial control and specialized applications
- Dual-band Wi-Fi 5 (802.11ac) and 1000 Mbps Ethernet for reliable networking

- Wide operating temperature: 0°C ~ 40°C
- Certifications: BIS, RoHS, ISO for guaranteed quality and safety
- Compact dimensions: 210mm × 202mm × 80mm

Comprehensive Connectivity

- USB 3.2 ports: 2
- USB 2.0 ports: 2
- Video outputs: 1 HDMI, 1 VGA
- Audio ports: Speaker Out, Mic In

Operating System

- Microsoft Windows 11 IoT Enterprise LTSC 2024 Value for stable, long-term industrial deployments

This powerful Mini PC is your ultimate solution for industrial automation, specialized kiosks, and critical control systems, delivering unmatched reliability and performance.

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	16 GB
SSD Storage	1024 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	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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