



Thinvent Neo H Mini PC

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

32GB DDR4 RAM

256GB SSD

Dual Band WiFi

Ubuntu Linux

DB9 Serial

SKU: H-I5_13-32-M256-12_5-M-U-1S



Thinvent® Neo H Mini PC: The Unyielding Industrial Workhorse, Engineered for Excellence.

Experience the high-performance evolution of our bestselling Neo line. The Thinvent® Neo H Mini PC is our most powerful offering, a true industrial workhorse designed and 100% made in India. Built with a solid steel chassis and robust powder coating, it delivers unwavering reliability in demanding environments, making it suitable for industrial control and similar critical applications.

Unmatched Performance

- At its core, the Intel® Core™ i5-1335U processor boasts 10 cores with speeds up to 4.6 GHz and 12 MB cache, ensuring blazing-fast computations and seamless multitasking.
- Paired with 8GB DDR4 RAM and a lightning-fast 1TB SSD, expect instant boot-ups, rapid application loading, and expansive storage for all your critical data.
- Running on the stable and secure Ubuntu Linux 24.04 LTS, it provides a dependable open-source platform.

Comprehensive Connectivity

- This powerhouse is equipped with a vital DB9 serial port, 2 USB 3.2 and 2 USB 2.0 ports for diverse peripherals.
- Stay connected with dual-band Wi-Fi 5 (802.11ac) and a gigabit Ethernet port for reliable networking.
- Display versatility is guaranteed with both HDMI and VGA outputs, while speaker out and mic in ports handle audio needs.

Built for Endurance

- Designed to operate flawlessly between 0°C and 40°C with 20% to 80% non-condensing humidity.
- Power it reliably with the included 12V 7A adapter, supporting a wide 100~275V AC input.
- Certified with BIS, RoHS, and ISO, ensuring compliance and quality.
- Its compact 210mm x 202mm x 80mm dimensions house a formidable, long-lasting system.

Elevate your industrial operations with the Thinvent® Neo H Mini PC – where power meets enduring reliability.

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	32 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
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	Ubuntu Linux 24.04 LTS
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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 64 = 64GB 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

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing
 #11 Sports Complex
 Salvador Do Mundo
 North Goa - 403101, India

Sales
 UGF-10-A Omaxe Gurgaon Mall
 Sector 49, Sohna Road
 Gurgaon - 122018, India

