



Thinvent Neo H Mini PC

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

512GB SSD

No WiFi

Without OS

DB9 Serial

SKU: H-I5_13-16_16-M512-12_7-X-W_OS-1S



Thinvent Neo H: Unleash Industrial Power, Built for the Future, Made in India.

Discover the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. As our largest product, this industrial workhorse is engineered for demanding applications, delivering exceptional power and reliability. Proudly 100% designed and made in India, its solid steel build ensures unparalleled durability in the toughest environments, making it ideal for industrial control and similar applications.

Uncompromising Performance

- At its core, an Intel® Core™ i5-1335U processor with 10 cores and turbo speeds up to 4.6 GHz ensures lightning-fast execution for complex tasks.
- A substantial 12 MB cache optimizes data access for seamless operation.
- Equipped with a generous 32GB DDR4 RAM, the Neo H handles heavy workloads and sophisticated software with ease.
- Reliable 32GB MLC SSD storage provides robust performance crucial for critical data handling in industrial settings.

Seamless Connectivity



- Integrate effortlessly with industrial systems using the dedicated 1 DB9 male RS232 serial port.
- Expand your visual workspace with dual display support via 1 HDMI and 1 VGA port.
- Connect essential peripherals with 2 USB 3.2 and 2 USB 2.0 ports.
- Ensure stable, high-speed data transfer through a robust 1000 Mbps Ethernet connection.
- A Speaker Out and Mic In provide full audio capabilities.

Rugged Durability and Flexibility

The Neo H is housed in a durable, power-coated black steel chassis, built to withstand challenging operational conditions from 0°C to 40°C and 20% to 80% RH (non-condensing). Its compact dimensions of 210mm × 202mm × 80mm belie its immense power. Certified by BIS, RoHS, and ISO, this Mini PC guarantees quality and environmental compliance. Delivered without an operating system, it offers complete flexibility to deploy your preferred industrial OS or custom software solutions. A versatile 12V 7A adapter with a 2-metre cable supports wide input power (100~275V AC).

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	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
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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	1.72kg, 2.13kg

OPERATING SYSTEM

Operating System	Without OS
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Ordering Information

PRODUCT CODE

H-i5_13-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM	4 = 4GB DDR4 32_32 = 64GB DDR4 RAM (2 x 32GB)	8 = 8GB DDR4 16_16 = 32GB DDR4 RAM (2 x 16GB)	16 = 16GB DDR4 8_8 = 16GB DDR4 RAM (2 x 8GB)	32 = 32GB DDR4
SSD	m128 = 128GB m512 = 512GB S32 = 32GB MLC S256 = 256GB	m256 = 256GB m1024 = 1TB S128 = 128GB		
Wireless	m = Dual Band WiFi	X = No WiFi		
OS	DOS = DOS 11V = Windows 11 IoT Value Thinux = Thinux™ Embedded Linux	W_OS = Without OS 11P = Windows 11 Pro U = Ubuntu Linux		
Accessories	0 = None 1S = DB9 Serial Mo = Wired Optical Scroll Mouse	KM = Keyboard and Mouse set MK = Mechanical Keyboard		

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