



Thinvent Neo H Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

8GB DDR4 RAM

2TB SSD

Dual Band WiFi

Without OS

DB9 Serial

SKU: H-I3_13-8-M2048-12_7-M-W_OS-1S



Thinvent Neo H: Your High-Performance Industrial Command Center.

Experience unparalleled power and reliability with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. As our largest and most robust offering, this industrial workhorse is 100% designed and made in India, engineered for demanding applications like industrial control. Its solid steel build ensures longevity and dependable operation.

Core Performance

- Driven by an Intel® Core™ i3-1315U processor with 6 cores, clocking up to 4.5 GHz and boasting a 10 MB cache, the Neo H delivers exceptional processing power.
- Tackle intensive tasks with ease, supported by 4GB DDR4 RAM for swift multitasking and a spacious 512GB SSD for lightning-fast data access and storage.

Unrivalled Connectivity

- This powerhouse features a comprehensive array of ports, including 1 HDMI and 1 VGA for display versatility.
- Benefit from 2 USB 3.2 and 2 USB 2.0 ports for modern peripherals.

- Crucially, it includes a DB9 male RS232 serial port, indispensable for legacy industrial equipment.
- Stay connected with 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac) for robust wireless networking.
- Audio needs are met with a Speaker Out and Mic In.

Built for Endurance

- Housed in a solid steel chassis with a durable black power coating, the Neo H is built to withstand rigorous industrial environments.
- Designed for reliable operation in temperatures from 0°C to 40°C, it meets BIS, RoHS, and ISO certifications for quality and safety.
- Its compact dimensions (210mm × 202mm × 80mm) belie its powerful capabilities.

Customizable Flexibility

- Delivered without an operating system, the Neo H offers complete flexibility to install your preferred OS, tailored precisely to your application's needs.

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 GHz
Cache	10 MB
Main Memory	8 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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, 2.14kg

OPERATING SYSTEM

Operating System	Without OS
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Ordering Information

PRODUCT CODE

H-i3_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

m512 = 512GB

m2048 = 2TB

S128 = 128GB

m256 = 256GB

m1024 = 1TB

S32 = 32GB MLC

S256 = 256GB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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