



Thinvent Neo H Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

16GB DDR4 RAM

1TB SSD

No WiFi

Windows 11 IoT Value

DB9 Serial

SKU: H-I3_13-16-M1024-12_5-X-11V-1S



Unleash Unrivalled Performance: The Thinvent® Neo H Mini PC, India's Industrial Powerhouse.

Building on the legacy of our bestselling Neo series, the Thinvent® Neo H Mini PC represents the pinnacle of industrial computing. This powerhouse, our largest and most robust model, is 100% designed and made in India, featuring a solid steel build engineered for relentless operation in demanding environments.

Core Performance

- Experience blazing-fast processing with the Intel® Core™ i3-1315U processor, boasting 6 cores and speeds up to 4.5 GHz, backed by a generous 10 MB cache for seamless multitasking and demanding applications.
- Massive 64GB DDR4 RAM ensures unparalleled responsiveness, even with complex workloads.
- Rapid 256GB SSD provides quick boot times and swift data access.

Industrial Connectivity

- Designed as an industrial workhorse, the Neo H offers a comprehensive suite of connectivity options crucial for industrial control and similar applications.
- A dedicated DB9 male RS232 serial port ensures legacy device compatibility.
- Multiple high-speed USB ports (2 x USB 3.2, 2 x USB 2.0) provide flexible peripheral connections.

- Reliable 1000 Mbps Ethernet guarantees stable network communication.
- Visual outputs include 1 HDMI and 1 VGA port.
- Speaker Out and Mic In ports are also included.
- Its focused design prioritizes wired stability, omitting WiFi for environments where wireless interference is unacceptable.

Operating System

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, it offers a secure, long-term support platform optimized for embedded and industrial solutions.

Durability & Reliability

- The robust black powder-coated steel housing (210mm x 202mm x 80mm) ensures exceptional durability.
- Operates flawlessly from 0°C to 40°C and 20% to 80% RH non-condensing humidity.
- BIS, RoHS, and ISO certified, the Neo H meets rigorous quality and environmental standards.
- Powered by a reliable 12V 7A adapter with a 2-meter cable, supporting a wide 100~275V AC input.



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	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
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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-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

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

Thinix = Thinix™ 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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