



Thinvent Neo H Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

1TB SSD

No WiFi

Without OS

DB9 Serial

SKU: H-I3_13-16_16-M1024-12_7-X-W_OS-1S



Unleash Unrivalled Power and Reliability for Industrial Domination.

The Thinvent® Neo H Mini PC redefines industrial computing, emerging as the high-performance evolution of our bestselling Neo series. This is our largest, most robust offering, engineered 100% in India with a solid steel chassis and powder-coated black finish to endure the harshest environments. It's the ultimate industrial workhorse, delivering uncompromising power and a host of connectivity options where it matters most.

Performance That Drives Industry

- Experience raw processing might with the Intel® Core™ i3-1315U processor, featuring 6 cores and a blistering 4.5 GHz turbo frequency, backed by 10 MB of cache.
- Command complex tasks effortlessly with a colossal 64GB DDR4 RAM, ensuring seamless multitasking and rapid data processing.
- Achieve lightning-fast boot-ups and application loading with the integrated 128GB SSD.

Unmatched Connectivity & Control

- Critical for industrial control, a dedicated DB9 male RS232 serial port ensures reliable legacy system integration.
- Benefit from stable, high-speed networking with 1000 Mbps wired Ethernet. No WiFi ensures maximum network security and reliability in sensitive applications.

- Versatile display options include 1 HDMI and 1 VGA port.
- Expand your setup with 2 USB 3.2 and 2 USB 2.0 ports.
- Standard audio connectivity with mic-in and speaker-out ports.

Engineered for Extremes

- Designed to operate flawlessly from 0°C to 40°C and 20% to 80% non-condensing humidity.
- A wide-range 100~275V AC power input with a robust 12V 7A adapter (2 Metre cable) ensures stable power delivery for critical applications.
- Certified with BIS, RoHS, and ISO for guaranteed quality and compliance.
- Delivered without an operating system, offering you complete flexibility to deploy your preferred industrial OS or specialized software.

Dimensions

- 210mm × 202mm × 80mm

This robust Mini PC is specifically suited for industrial control and demanding edge computing applications where reliability, performance, and a comprehensive set of connectivity options are paramount.



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	32 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	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

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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