



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

Dual LAN

64GB DDR4 RAM (2 x 32GB)

256GB SSD

Dual Band WiFi

Windows 11 Pro

SKU: H-I3_12L-32_32-S256-12_5-M-11P-0



Powerful Industrial Computing, Made for the Real World.

The Thinvent Neo H Mini PC is the ultimate industrial workhorse, engineered for demanding environments. As the high-performance version of our bestselling Neo series, it delivers the robust reliability and connectivity needed for mission-critical control applications.

Built for Unwavering Reliability

- Engineered with a solid steel chassis for superior durability in tough industrial settings.
- Features dual Gigabit LAN ports for robust and reliable network connectivity essential for control systems.
- Operates flawlessly within a wide temperature range, ensuring consistent performance where it matters most.

- 100% designed and made in India, built to meet the rigorous demands of local industry.

Unmatched Versatility and Control

- The powerful processing capability effortlessly handles industrial automation, digital signage, and process control.
- Extensive connectivity options allow seamless integration with a vast array of peripherals and legacy equipment.
- Its compact, space-saving design installs easily in control cabinets, kiosks, or tight workspaces.
- Comes ready to work with Windows 11 Pro, providing a familiar and secure platform for your applications.

Choose the Neo H for a robust, connected, and powerful computing foundation that won't let you down.

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	64 GB
SSD Storage	256 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2
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	1.69kg, 2.11kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 Pro
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Ordering Information

PRODUCT CODE

H-i3_12l-[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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