



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

128GB SSD

No WiFi

Windows 11 IoT Value

SKU: H-I3_12-16_16-M128-12_5-X-11V-0



The Ultimate Industrial Workhorse: Thinvent Neo H.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. This isn't just a mini PC; it's an industrial powerhouse, meticulously designed and 100% made in India to excel in the most demanding industrial control and similar applications. As our largest product with powerful CPU and RAM configurations, it offers robust functionality.

Unrivalled Performance

- Experience blazing-fast operation with the Intel® Core™ i3-1215U processor, featuring 6 cores and turbo speeds up to 4.4 GHz with a 10 MB cache.
- Command complex tasks effortlessly with a colossal 64GB DDR4 RAM, ensuring seamless multitasking and data processing.
- Benefit from lightning-fast boot-ups and ample storage for critical applications with a 1TB SSD.

Robust Connectivity & Control

- The Thinvent Neo H provides essential wired connectivity with dual USB 3.2 and dual USB 2.0 ports, along with a reliable 1000 Mbps Ethernet port for secure network communication.

- Connect to various displays with dedicated HDMI and VGA outputs.
- Integrated speaker out and mic in ports offer versatile audio capabilities.
- Powered by Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, this system is optimized for stability, security, and long-term industrial deployment.

Built for Durability

- Housed in a solid steel chassis with a durable powder coating in black, the Thinvent Neo H is built to withstand rigorous industrial environments.
- Designed for continuous operation, it runs reliably from 0°C to 40°C with 20% to 80% RH, non-condensing humidity.
- Backed by BIS, RoHS, and ISO certifications, ensuring quality and compliance.
- Measuring 210mm x 202mm x 80mm, this industrial workhorse is ready to drive your operations forward with unmatched power and reliability.



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	32 GB
SSD Storage	128 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2
RS485 Option	1

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	1.69kg, 2.11kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

H-i3_12-[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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