



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM

256GB SSD

No WiFi

Without OS

SKU: H-I3_12-16-S256-12_5-X-W_OS-0



Unleash Uncompromising Power: The Thinvent® Neo H Mini PC – Your Industrial Workhorse.

Experience the high-performance evolution of our bestselling Neo model with the Thinvent® Neo H Mini PC. Our largest and most powerful offering, this industrial workhorse is engineered for demanding applications like industrial control, delivering unmatched power and reliability. 100% designed and made in India, its solid steel build with a resilient powder-coated finish ensures extreme durability.

Unrivalled Performance

- At its core, an Intel® Core™ i3-1215U processor with 6 cores and up to 4.4 GHz, featuring a 10 MB cache, tackles complex computational demands effortlessly.
- Equipped with a colossal 64GB DDR4 RAM, it provides fluid multitasking and superior data processing for intensive operations.
- A lightning-fast 1TB SSD guarantees instant boot times and rapid application loading.

Robust Connectivity & Control

- A host of connectivity options includes dual display outputs (HDMI, VGA), two high-speed USB 3.2 ports, two USB 2.0 ports, and essential audio jacks (Speaker Out, Mic In).
- Secure and stable Gigabit Ethernet ensures critical wired network communication, crucial for industrial environments.
- Designed without integrated WiFi and OS, providing you complete control over system configuration and security, ideal for specialized deployments.

Engineered for Extremes

- Housed in robust black steel (210mm x 202mm x 80mm), built to withstand the rigors of industrial settings.
- Reliable operation across a broad temperature range of 0°C ~ 40°C and 20% ~ 80% RH humidity (non-condensing).
- Features a wide-range 100~275 Volts AC power input with a robust 12V 7A adapter for stable, consistent performance.
- Proudly BIS, RoHS, and ISO certified, guaranteeing quality and environmental compliance.



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	16 GB
SSD Storage	256 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	Without OS
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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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