



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM (2 x 8GB)

512GB SSD

Dual Band WiFi

Without OS

SKU: H-I3_12-8_8-M512-12_5-M-W_OS-0



Unleash Unrivaled Performance for Demanding Industrial Applications.

Discover the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. Engineered as an industrial workhorse, this powerhouse boasts our most robust CPU and RAM configurations, meticulously 100% designed and made in India with a solid steel build for uncompromising durability.

Elite Performance at Your Command

Experience lightning-fast processing with the Intel® Core™ i3-1215U processor, featuring 6 cores and a blistering max frequency of 4.4 GHz, backed by a 10 MB cache. Multitask with unparalleled ease thanks to a colossal 64GB DDR4 RAM, ensuring seamless operation for even the most intensive tasks. A 32GB MLC SSD provides rapid boot times and responsiveness for your chosen operating system.

Robust Connectivity for Any Environment

The Neo H offers a comprehensive suite of ports to integrate flawlessly into your setup

- HDMI: 1

- VGA: 1
- Speaker Out: 1
- Mic In: 1
- USB 3.2: 2
- USB 2.0: 2
- Ethernet: 1000 Mbps

Stay connected with dual-band Wi-Fi 5 (802.11ac) for reliable wireless networking. Power options are versatile with a 12V 7A adapter, supporting a broad 100~275V AC input.

Designed for the Toughest Challenges

Its powder-coated black steel housing measures 210mm x 202mm x 80mm, built to withstand the rigors of industrial environments. Operates reliably across 0°C ~ 40°C and 20% ~ 80% RH (non-condensing). Certified with BIS, RoHS, and ISO, the Neo H ensures quality and safety. Shipped without an OS, it offers ultimate flexibility for specialized industrial control and similar applications. This is the largest and most powerful Mini PC in our lineup, ready for your toughest projects.

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	512 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
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	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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