



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

32GB MLC SSD

No WiFi

DOS

SKU: H-I3_12-32_32-S32-12_7-X-DOS-0



Unleash Industrial Power with the Thinvent Neo H Mini PC.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This is our largest, most robust model, engineered as a true industrial workhorse, 100% designed and made in India. Ideal for industrial control and similar demanding applications, it combines power with unwavering reliability.

Unrivalled Performance

- Power through demanding tasks with the Intel® Core™ i3-1215U processor, featuring 6 cores and burst frequencies up to 4.4 GHz, backed by a generous 10 MB cache.
- Seamless multitasking is ensured with 8GB DDR4 RAM.
- Experience rapid boot times and reliable operation from the 32GB MLC SSD.

Built for the Toughest Environments

- The solid steel housing with a durable power coating provides exceptional durability and a sleek black finish.

- Operates reliably across temperatures from 0°C to 40°C and humidity from 20% to 80% RH, non-condensing.
- Stable power input (100~275V AC, 50~60 Hz, 1.5 Amps max) with a 2-meter cable ensures consistent operation.

Extensive Connectivity

- Connect all your peripherals with 2x USB 3.2 and 2x USB 2.0 ports.
- Versatile display options include 1x HDMI and 1x VGA.
- Essential audio I/O with Speaker Out and Mic In.
- Achieve ultra-stable networking with 1000 Mbps Ethernet.

Quality and Compliance

- Certified with BIS, RoHS, and ISO, guaranteeing quality and environmental responsibility.
- Comes with FreeDOS, offering flexibility for your specific industrial OS or software needs.
- Compact dimensions: 210mm × 202mm × 80mm.



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	32 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	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	1.79kg, 2.21kg

OPERATING SYSTEM

Operating System	FreeDOS
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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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