



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)

256GB SSD

Dual Band WiFi

DOS

DB9 Serial

SKU: H-I3_12-32_32-M256-12_7-M-DOS-1S



Unleash Industrial Power: The Neo H Mini PC.

Experience the pinnacle of robust computing with the Thinvent® Neo H Mini PC. This high-performance evolution of our bestselling Neo model is a true industrial workhorse, meticulously designed and 100% made in India with a solid steel build. It's our largest product, engineered for demanding industrial control and similar applications.

Unrivalled Performance

- Powered by the Intel® Core™ i3-1215U processor, featuring 6 cores and blazing speeds up to 4.4 GHz with a 10 MB cache, ensuring seamless multitasking and rapid data processing.
- 16GB DDR4 RAM guarantees smooth operation, even with intensive applications.
- A 256GB SSD provides lightning-fast boot-ups and application loading.

Industrial Connectivity

- Critical DB9 male RS232 serial port for industrial control applications.
- Versatile display options with 1 HDMI and 1 VGA port.

- Ample peripheral connectivity: 2 USB 3.2 and 2 USB 2.0 ports.
- High-speed networking: 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac) for reliable wireless connections.
- Speaker out and Mic in ports for audio flexibility.

Built for Tough Environments

- Durable powder-coated black steel housing (210mm × 202mm × 80mm) for maximum resilience.
- Operates reliably across a wide temperature range of 0°C to 40°C, with 20% to 80% non-condensing humidity.
- BIS, RoHS, and ISO certified for quality, safety, and environmental compliance.
- Comes with FreeDOS, offering unparalleled operating system flexibility.

Power and Adaptability

- Stable 12V 7A DC power adapter with a generous 2-metre cable.
- Wide AC input range of 100~275 Volts (50~60 Hz, 1.5 Amps maximum) for global compatibility.

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
USB 2.0	2
Serial Port	1 DB9 male RS232
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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

Thinix = Thinix™ 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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