



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)

512GB SSD

No WiFi

DOS

DB9 Serial

SKU: H-I3_12-32_32-M512-12_7-X-DOS-1S



Unleash Unrivalled Power: The Industrial Workhorse Built for Demanding Tasks.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This powerful industrial workhorse, 100% designed and made in India, delivers exceptional computing in a robust, compact form. It is our largest product, engineered for industrial control and similar applications.

Performance at its Core

At its heart is the Intel® Core™ i3-1215U processor, featuring 6 cores, up to 4.4 GHz, and a 10 MB cache, ensuring blazing-fast performance for complex industrial applications. Coupled with 8GB DDR4 RAM and a swift 256GB SSD, experience seamless multitasking and rapid data access.

Robust Connectivity & Design

Designed for critical environments, the Neo H boasts a comprehensive array of connectivity options. Essential for industrial control and legacy systems, it includes a dedicated DB9 male RS232 serial port, alongside 1000 Mbps Ethernet for stable, secure network access (no WiFi, ensuring focused reliability). Two USB 3.2 and two USB 2.0 ports offer versatile peripheral connections. With one HDMI and one VGA output, connect to any display. A speaker out and mic in are also provided.

Industrial Durability

Encased in a solid steel housing with a durable black powder coating, this unit is built to last, measuring 210mm × 202mm × 80mm. It operates reliably from 0°C to 40°C at 20% ~ 80% RH. Power is supplied by a robust 12V 7A adapter, compatible with 100~275 Volts AC input via a 2-metre cable. Pre-loaded with FreeDOS, it offers maximum flexibility for specialized operating systems or custom software. Trust in quality with BIS, RoHS, and ISO certifications.



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	512 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
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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

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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