



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

Dual LAN

4GB DDR4 RAM

256GB SSD

Dual Band WiFi

Windows 11 IoT Value

DB9 Serial

SKU: H-I3_12L-4-M256-12_5-M-11V-1S



The Neo H Mini PC: Unleash industrial-grade power in a compact, robust design.

Engineered for the heart of the factory floor

This is the high-performance powerhouse in our bestselling Neo series. Designed as an industrial workhorse, it delivers exceptional reliability and a host of connectivity options to tackle demanding control applications. With its solid steel construction, it's built to endure the rigours of any operational environment.

Why choose the Neo H for your industrial control systems

- Rugged reliability with a 100% designed and made in India solid steel build, ensuring durability where it matters most.
- Powerful processing muscle for seamless multitasking and rapid response in automation, HMI, and data acquisition roles.

- Versatile connectivity with dual LAN ports and a legacy serial port, simplifying integration with both modern and traditional industrial equipment.
- Compact form factor saves crucial space in control cabinets and confined installations without compromising on capability.
- Ready for immediate deployment with a pre-installed, stable operating system, reducing setup time and complexity.

Trust in robust, high-performance computing engineered for continuous operation. The Thinvent Neo H is the steadfast partner for your most critical industrial automation and control challenges.

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	4 GB
SSD Storage	256 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
Serial Port	1 DB9 male RS232
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2
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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

H-i3_12l-[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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