



Thinvent Neo H Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

4GB DDR4 RAM

128GB SSD

Dual Band WiFi

Windows 11 IoT Value

DB9 Serial

SKU: H-I5_12-4-M128-12_5-M-11V-1S



Unleash Industrial Power: The Neo H Mini PC - Built for Demanding Performance.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo line. This industrial workhorse features our most formidable CPU and RAM, 100% designed and made in India from solid steel. Ideal for industrial control and similar demanding applications.

Performance

Experience unmatched processing capability with the Intel® Core™ i5-1250P processor.

- 12 Cores, up to 4.4 GHz turbo frequency
- 12 MB cache
- 32GB DDR4 RAM

This powerhouse handles intensive industrial workloads with ease.

Connectivity and Durability

The Neo H provides comprehensive, robust connectivity.

- Dual band Wi-Fi 5 (802.11ac)
- Gigabit Ethernet
- 2x USB 3.2, 2x USB 2.0

- HDMI and VGA outputs
- Dedicated DB9 male RS232 serial port for legacy equipment

Its solid black powder-coated steel housing ensures durability within 0°C ~ 40°C operating temperatures and 20% ~ 80% RH non-condensing humidity.

Operating System and Certifications

Ready for critical operations with a secure, specialized OS.

- Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
- BIS, RoHS, ISO certified for quality and compliance

Key Specifications

- Dimensions: 210mm x 202mm x 80mm
- Power: 12V 7A DC input (adapter included)

The Thinvent® Neo H Mini PC delivers powerful, reliable computing in a compact form factor for any challenging industrial environment.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	4 GB
SSD Storage	128 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

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	1.73kg, 2.14kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

H-i5_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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