



Thinvent Neo H Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM (2 x 16GB)

128GB SSD

Dual Band WiFi

Without OS

DB9 Serial

SKU: H-I5_12L-16_16-M128-12_7-M-W_OS-1S



Engineered for relentless industrial performance.

The Thinvent® Neo H Mini PC is the high-performance evolution of our bestselling platform. Designed and built entirely in India, this industrial workhorse delivers formidable processing power and unmatched reliability for the most demanding control environments. Its solid steel construction ensures it thrives where other computers fail.

Why the Neo H is your essential industrial partner

Uncompromising power for complex tasks

- Tackle sophisticated automation, machine vision, and data acquisition with effortless speed and stability.
- Run multiple control applications simultaneously without lag or interruption.

Built to endure the toughest conditions

- Its rugged, powder-coated steel casing shrugs off dust, vibrations, and the rigours of the factory floor.
- Operates reliably in a wide range of temperatures, ensuring continuous uptime.

Maximum connectivity for seamless integration

- Dual Gigabit Ethernet ports enable robust network redundancy and device management.
- Legacy serial support and abundant USB ports allow direct connection to a vast array of industrial machinery and peripherals.
- Flexible display outputs provide easy interfacing with monitors and control panels.

Experience the pinnacle of industrial computing. The Neo H delivers the robust performance and steadfast reliability your critical operations demand, keeping your productivity on track without compromise.

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	32 GB
SSD Storage	128 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
Serial Port	1 DB9 male RS232

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2
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	1.82kg, 2.24kg

OPERATING SYSTEM

Operating System	Without OS
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Ordering Information

PRODUCT CODE

H-i5_12l-[RAM]-[SSD]-12_10-[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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