



Thinvent Neo H Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM

256GB SSD

Dual Band WiFi

Ubuntu Linux

DB9 Serial

SKU: H-I5_12-32-M256-12_5-M-U-1S



Unleash Unrivalled Performance: The Industrial Powerhouse, Made in India.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. As our largest and most powerful model, this industrial workhorse is engineered to dominate demanding applications, proudly 100% designed and made in India with a solid steel build.

Power & Speed for Demanding Tasks

Harness the immense power of the 12-core Intel® Core™ i5-1250P processor, boasting speeds up to 4.4 GHz with a 12 MB cache. Coupled with 8GB DDR4 RAM and a lightning-fast 256GB SSD, the Neo H delivers unparalleled responsiveness and efficiency for your critical operations, from industrial control to advanced data processing.

Unmatched Connectivity & Durability

Designed for versatility, the Neo H features a host of connectivity options essential for industrial environments. Its robust black, power-coated steel housing ensures exceptional durability, making it ideal for continuous operation.

Key Features

- Cores: 12
- Max Frequency: 4.4 GHz
- Cache: 12 MB
- Main Memory: 8 GB DDR4

- SSD Storage: 256 GB
- Video Output: 1 HDMI, 1 VGA
- Audio Output: 1 Speaker Out
- Audio Input: 1 Mic In
- USB Ports: 2 USB 3.2, 2 USB 2.0
- Serial Port: 1 DB9 male RS232
- Ethernet: 1000 Mbps
- Wireless Networking: Wi-Fi 5 (802.11ac), dual band
- DC Voltage: 12 Volts
- DC Current: 7 Amps
- Power Input: 100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum
- Adapter Cable Length: 2 Metre
- Operating Temperature: 0°C ~ 40°C
- Operating Humidity: 20% ~ 80% RH, non condensing
- Certifications: BIS, RoHS, ISO
- Dimensions: 210mm × 202mm × 80mm
- Housing Material: Steel
- Housing Finish: Power Coating
- Housing Colour: Black
- Operating System: Ubuntu Linux 24.04 LTS



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	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

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	Ubuntu Linux 24.04 LTS
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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

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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