



Thinvent Neo H Mini PC

Intel Core i5-1235U processor

10 core, up to 4.4 GHz, 12 MB cache

Dual LAN

6 COM

64GB DDR4 RAM (2 x 32GB)

512GB SSD

No WiFi

DOS

Thinvent Keyboard and Mouse set

SKU: H-I5_12L6-32_32-M512-12_7-X-DOS-KM



Power through your industrial workload with the Thinvent Neo H Mini PC.

Built for serious industrial control and demanding applications, the Neo H is the high performance version of our bestselling Neo model. At its heart lies an Intel Core i5-1235U processor with 10 cores, delivering the responsiveness and multitasking muscle your operation needs to keep production moving.

Why choose the Neo H

- Industrial workhorse performance. The 12th generation Intel Core i5 processor handles heavy control tasks, data logging and multi-application workflows without slowing you down.
- Connect everything you need. Dual gigabit Ethernet ports, six COM ports and an RS485 option make it simple to link PLCs, sensors, legacy machinery and shop floor equipment in one dependable hub.

- Designed and made in India. Every unit is engineered and built locally, backed by BIS, RoHS and ISO certified quality processes.
- Solid steel build. The powder coated steel housing stands up to the realities of a factory floor, protecting your investment in tough environments.
- Ready to deploy. Comes with a Thinvent keyboard and mouse set, so you can get up and running straight out of the box.
- Flexible operating range. With an operating temperature of 0°C to 40°C and humidity tolerance of 20% to 80% RH, it fits comfortably into most industrial settings.

Whether you are upgrading an existing control setup or building a new one, the Neo H gives you the processing power and connectivity to do it right.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1235U
Cores	10
Max Frequency	4.4 GHz
Cache	12 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
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2

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	181.5mm × 199.5mm × 72mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Steel base, aluminium cover
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	2.34kg, 2.76kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	FreeDOS
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Ordering Information

PRODUCT CODE

H-i5_1216-[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

m2048 = 2TB

S128 = 128GB

h1024 = 1TB HDD

m256 = 256GB

m1024 = 1TB

S32 = 32GB MLC

S256 = 256GB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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