



Thinvent Neo H Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM

128GB SSD

No WiFi

Without OS

SKU: H-I5_12H-32-S128-12_7-X-W_OS-0



Power meets resilience: the Thinvent Neo H brings raw computing muscle to the toughest environments.

Built as the high-performance version of our bestselling Neo series, this industrial workhorse is our largest and most capable mini PC yet. Whether you're managing automated production lines, running real-time data acquisition, or controlling complex machinery, the Neo H delivers the responsive, multi-tasking performance you need without breaking a sweat.

Connectivity is king in industrial settings, and the Neo H offers a generous array of ports to link your screens, peripherals, and legacy equipment. Hook up a monitor via HDMI and another via VGA – no expensive adapters required – and connect sensors, controllers, or storage devices through the multiple USB 3.2 and USB 2.0 ports. A gigabit Ethernet port ensures reliable network communication for supervisory control or remote monitoring.

Built to last, the Neo H is housed in a solid steel chassis with a durable powder-coated finish. It's 100% designed and made in India, so you get local support and quality you can trust. The fanless or low-noise operation (depending on configuration) keeps things quiet on the factory floor, while the wide operating temperature range means it keeps working when the heat is on.

Forget unnecessary extras like built-in WiFi or a pre-installed operating system – you have total control over your security and software stack. Install your preferred OS, configure your own network, and run the exact industrial applications your operation demands.

The Thinvent Neo H Mini PC is the reliable, powerful, and customisable foundation for your next industrial control project.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	12450H
Cores	8
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
USB 2.0	2

NETWORKING

Ethernet	1000 Mbps
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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_12H-[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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