



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

Dual LAN

64GB DDR4 RAM (2 x 32GB)

256GB SSD

Dual Band WiFi

Windows 11 Professional

SKU: H-I3_12L-32_32-M256-12_7-M-11O-0



Power that punches well above its weight.

Meet the Thinvent Neo H Mini PC – the high-performance version of our bestselling Neo series, and the most capable machine we make. If your work depends on speed, reliability and round-the-clock operation, this is the industrial workhorse you've been waiting for.

Designed for the job at hand

- Handles demanding industrial control and automation tasks with effortless ease
- Responds quickly to operator input and keeps multiple programmes running smoothly
- Plenty of memory and storage for logging data, running HMI software and managing busy production lines

Connectivity that keeps things moving

- Dual Gigabit Ethernet ports give you reliable, high-speed links to your network and machinery
- Dual-band Wi-Fi keeps you connected without trailing cables
- A full range of ports – including USB 3.2, HDMI, VGA and audio – means you can hook up displays, sensors and peripherals without fuss

- An optional RS485 interface lets you talk directly to industrial equipment

Built to last, made in India

- Housed in a solid, powder-coated steel chassis that shrugs off the bumps and knocks of a working environment
- Engineered to run continuously in temperatures up to 40°C, so it keeps its cool when things get hot
- 100% designed and made in India, with certifications you can trust
- Comes with Windows 11 Professional ready to go – no setup headaches, just plug in and start working

Whether you're upgrading a control cabinet, powering a digital signage display, or building a reliable edge-computing station, the Neo H gives you desktop-class muscle in a compact, tough and dependable package. It's the sensible choice for anyone who needs a computer that simply gets on with the job.

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	64 GB
SSD Storage	256 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
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	1.79kg, 2.21kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 Professional
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Ordering Information

PRODUCT CODE

H-i3_12l-[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

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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