



Thinvent Neo H Mini PC

Intel Core i3-12100 processor

4 core, up to 4.3 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

Dual Band WiFi

Thinux Embedded Linux

DB9 Serial

SKU: H-I3_12D-16-M512-19_7-M-
THINUX-1S



Built for Industrial Work That Never Slows Down

Meet the Thinvent® Neo H Mini PC, the High Performance flagship of our best-selling Neo range. Powered by a 12th Generation Intel® Core™ i3-12100 processor, it brings serious computing power to demanding industrial environments, from control systems to automation and beyond.

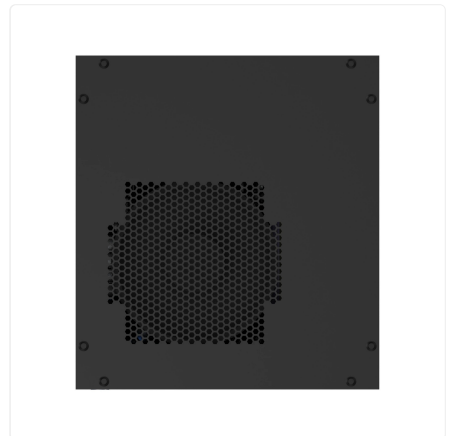
Designed and made in India, the Neo H combines a sturdy steel base with an aluminium cover, finished in a durable black powder coat. It is built to look at home on the factory floor and to hold up to the demands placed on it day after day.

Connectivity is where the Neo H truly shines. Dual HDMI and DisplayPort outputs let you drive multiple screens, while four USB 3.2 ports, a 1000 Mbps Ethernet connection, dual band Wi-Fi and a DB9 serial port make it easy to link up with the equipment and networks you already use. Audio in and out ports round out the package.

Thinux™ Embedded Linux comes pre-installed, giving you a ready-to-run system with the tools you need. Enjoy the Chromium and Mozilla Firefox browsers, LibreOffice, a PDF viewer and a multimedia player. Remote access is straightforward thanks to RDP 10, SSH, Putty, VNC shadowing and browser-based management. Java, Python and glibc-based applications run with ease, and SIP video and voice over IP are supported out of the box.

With 4GB of DDR4 RAM and a 128GB SSD, the Neo H handles everyday workloads quickly and responds without fuss, keeping your operations moving.

Choose the Neo H when you need a compact, capable and dependable system that delivers high performance where it counts.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	12100
Cores	4
Max Frequency	4.3 GHz
Cache	12 MB
Chipset	Intel B760
TPM	TPM 2.0 header
Main Memory	16 GB
SSD Storage	512 GB

DISPLAY

HDMI	2
DisplayPort	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2 Gen 2	2
USB 3.2 Gen 1	2
Serial Port	1 DB9 male RS232

NETWORKING

Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

POWER

DC Voltage	19 Volts
DC Current	7 Amps
Power Input	100~240 Volts AC, 50~60 Hz, 1.5 Amps maximum
Cable Length	1.5 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	0.91kg, 1.32kg

OPERATING SYSTEM

Operating System	Thinvent® Thinux™ Embedded Linux
OS Features	<p>Chromium and Mozilla Firefox browsers.</p> <p>RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display.</p> <p>Browser based remote management. VNC shadowing.</p> <p>Java, Python and glibc based location application support.</p> <p>LibreOffice and PDF viewer.</p> <p>Multimedia player with MPEG4 support.</p> <p>SIP video and voice over IP.</p>

Ordering Information

PRODUCT CODE

H-i3_12d-[RAM]-[SSD]-19_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

m128_S128 = Dual 128GB

S128_S32 = 128GB SSD + 32 GB MLC

m32_S32 = 32GB SSD + 32 GB MLC

h1024 = 1TB HDD

n1024_h1024 = 1TB NVMe SSD + 1TB HDD

m256 = 256GB

m1024 = 1TB

S32 = 32GB MLC

S256 = 256GB

m128_S32 = 128GB SSD + 32 GB MLC

S128_S128 = 128GB SSD + 128 GB MLC

S32_S32 = 32GB MLC SSD + 32 GB MLC

n512_h1024 = 512GB NVMe SSD + 1TB HDD

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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