



Thinvent Neo H Mini PC

Intel Core i3-14100 processor

4 core, up to 4.7 GHz, 12 MB cache

4GB DDR4 RAM

1TB SSD

No WiFi

Thinux Embedded Linux

SKU: H-I3_14D-4-M1024-19_7-X-
THINUX-0



Power Your Industrial Operations With Compact, Confident Performance

Meet the Thinvent® Neo H Mini PC, the high performance flagship of our best-selling Neo range. Built for demanding industrial control and similar applications, it brings serious processing power into a compact black chassis that fits almost anywhere on the factory floor.

Designed and made in India, the Neo H is engineered for reliability at its core. Its steel base and aluminium cover, finished in a durable powder-coated black, give it a robust, professional look that suits both control cabinets and workstations.

Why choose the Neo H

- Strong processing power from the 14th generation Intel® Core™ i3-14100 processor, quick to respond when your applications need it most
- Ample connectivity, with two HDMI ports, a DisplayPort, two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports, plus gigabit Ethernet for fast, dependable networking
- A TPM 2.0 header to support your security requirements

- Ready to run Thinvent® Thinux™ Embedded Linux, with Chromium and Mozilla Firefox browsers, LibreOffice, a PDF viewer and a multimedia player with MPEG4 support
- Remote management made easy, with RDP 10, SSH, PuTTY, VNC shadowing and browser based management
- Support for Java, Python and glibc based applications, so your own software can run without fuss
- SIP video and voice over IP for clear, integrated communications

Built to keep working, the Neo H operates reliably in temperatures from 0°C to 40°C and humidity from 20% to 80% RH, non condensing, making it a dependable choice for everyday industrial environments.

Whether you are upgrading an existing control system or specifying hardware for a new project, the Thinvent® Neo H Mini PC delivers the performance, connectivity and dependability your operation demands. Get in touch today and put a proven industrial workhorse to work for you.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	14th
Series	i3
Processor Brand	Intel
Processor Model	14100
Cores	4
Max Frequency	4.7 GHz
Cache	12 MB
Chipset	Intel B760
TPM	TPM 2.0 header
Main Memory	4 GB
SSD Storage	1024 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

NETWORKING

Ethernet	1000 Mbps
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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_14d-[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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