



Thinvent Neo H Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

2TB SSD

No WiFi

Thinux Embedded Linux

DB9 Serial

SKU: H-I5_12-32_32-M2048-12_7-X-THINUX-1S



Unleash Industrial Power: The Thinvent® Neo H Mini PC.

Introducing the High Performance Thinvent® Neo H Mini PC, the largest and most robust evolution of our bestselling Neo series. This industrial workhorse is 100% designed and made in India, boasting a solid steel build for uncompromising durability in demanding environments like industrial control and similar applications.

Unrivalled Performance

- Powered by an Intel® Core™ i5-1250P processor with 12 cores, delivering speeds up to 4.4 GHz and a 12 MB cache for exceptional multitasking and processing power.
- Experience seamless operation with a generous 32GB of DDR4 RAM.
- A fast 128GB SSD ensures rapid boot times and responsive application loading.

Extensive Connectivity for Industrial Applications

- Connect to multiple displays with 1 HDMI and 1 VGA port.
- Utilize versatile peripheral connectivity with 2 USB 3.2 and 2 USB 2.0 ports.
- Essential for industrial control: 1 DB9 male RS232 serial port.
- Reliable, high-speed networking with 1000 Mbps Ethernet.
- Includes Speaker Out and Mic In for comprehensive audio support.

Thinvent® Thinux™ Embedded Linux: Optimized for Productivity

- Navigate the web with built-in Chromium and Mozilla Firefox browsers.
- Achieve advanced remote access with RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH.
- Streamlined browser-based remote management and VNC shadowing.
- Robust support for Java, Python, and glibc based location applications.
- Integrated LibreOffice suite and PDF viewer for productivity.
- Multimedia player with MPEG4 support, plus SIP video and voice over IP capabilities.

Built to Last

- Housed in robust steel with a durable black powder coating.
- Designed for challenging conditions with an operating temperature of 0°C to 40°C and 20% to 80% RH non-condensing humidity.
- Certified with BIS, RoHS, and ISO standards for quality and safety.
- Compact dimensions: 210mm × 202mm × 80mm.
- Efficient 12V 7A DC power adapter included.





Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	64 GB
SSD Storage	2048 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2
Serial Port	1 DB9 male RS232

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

Ordering Information

PRODUCT CODE

H-i5_12-[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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