



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

Dual Band WiFi

Thinux Embedded Linux

DB9 Serial

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



Unleash Unrivalled Performance: The Thinvent® Neo H, Your Industrial Workhorse.

Experience the next evolution with the Thinvent® Neo H Mini PC, the high-performance version of our bestselling Neo model. This robust, 100% designed and made in India industrial workhorse features a solid steel, powder-coated black housing, built for demanding environments.

Power and Speed Redefined

- At its core lies the formidable Intel® Core™ i5-1250P processor, boasting 12 cores and turbo frequencies up to 4.4 GHz with a substantial 12 MB cache. Coupled with a massive 64GB DDR4 RAM, the Neo H delivers blazing-fast processing and unparalleled multitasking, ideal for complex industrial control and data-intensive applications. A 32GB MLC SSD ensures lightning-quick boot times and responsive operation.

Seamless Connectivity and Control

- The Neo H offers a comprehensive suite of connectivity. Stay connected with Dual Band Wi-Fi 5 (802.11ac) or a reliable 1000 Mbps Ethernet port. It provides two USB 3.2 and two USB 2.0 ports, along with HDMI and VGA display outputs. A DB9 Serial port (RS232) ensures compatibility with industrial equipment, while Speaker Out and Mic In ports add audio flexibility.

Intelligent Operating System

- Powered by Thinvent® Thinux™ Embedded Linux, the Neo H offers a secure, stable, and purpose-built environment. Thinux™ includes browsers (Chromium, Firefox), robust remote management (RDP 10, SSH, VNC shadowing, browser-based management), and comprehensive application support (Java, Python, glibc, LibreOffice, PDF viewer, multimedia, SIP video/voice).

Built for Endurance

- Designed for 24/7 operation, the Neo H withstands temperatures from 0°C to 40°C and humidity from 20% to 80% RH. Its wide power input range (100~275V AC) with a 12V 7A adapter ensures stable delivery. Certified with BIS, RoHS, and ISO, this mini PC guarantees quality and compliance for critical industrial deployments.



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
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	1.82kg, 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_10-[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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