



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

512GB SSD

No WiFi

Thinux Embedded Linux

DB9 Serial

SKU: H-I3_12-32_32-M512-12_7-X-THINUX-1S



Thinvent® Neo H: The High-Performance Industrial Workhorse, Engineered for Excellence.

Experience the pinnacle of robust computing with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. This industrial-grade powerhouse, 100% designed and made in India with a solid steel chassis and powder-coated black finish, is built to thrive in the most demanding environments. It represents our most powerful configuration, combining an Intel® Core™ i3-1215U processor with a massive 32GB DDR4 RAM, ensuring seamless operation for complex industrial control and critical applications.

Unrivalled Performance and Reliability

- Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and 10 MB cache for superior processing power.
- 32GB DDR4 RAM for exceptional multitasking and data handling.
- Fast 128GB SSD for rapid boot-ups and application loading.

Comprehensive Connectivity for Industrial Demands

- Essential DB9 serial port for legacy and industrial equipment.
- Two USB 3.2 and two USB 2.0 ports for versatile peripheral connections.
- Gigabit Ethernet for stable, high-speed wired network access.

- HDMI and VGA outputs for dual-display setups.
- Dedicated speaker out and mic in.

Thinvent® Thinux™ Embedded Linux Operating System

- Pre-loaded with features for remote access and productivity.
- Chromium and Mozilla Firefox for web browsing.
- RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH for secure remote display.
- Browser-based remote management and VNC shadowing for effortless control.
- Support for Java, Python, and glibc based applications.
- Includes LibreOffice, PDF viewer, and multimedia player with MPEG4 support.
- SIP video and voice over IP capabilities.

Built Tough, Certified Safe

- Operating temperature from 0°C to 40°C and 20% to 80% RH.
- BIS, RoHS, and ISO certified for quality and compliance.
- Compact dimensions (210mm x 202mm x 80mm) with a durable steel housing.
- Reliable 12V 7A DC power input with a wide AC range adapter for flexible installation.



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	512 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
RS485 Option	1

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	1.79kg, 2.21kg

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-i3_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

S32 = 32GB MLC

S256 = 256GB

m256 = 256GB

m1024 = 1TB

S128 = 128GB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

Thinix = Thinix™ Embedded Linux

W_OS = Without OS

11P = Windows 11 Pro

U = Ubuntu Linux

Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

www.thinvent.insales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing

#11 Sports Complex

Salvador Do Mundo

North Goa - 403101, India

Sales

UGF-10-A Omaxe Gurgaon Mall

Sector 49, Sohna Road

Gurgaon - 122018, India

