



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

512GB SSD

No WiFi

Thinux Embedded Linux

Thinvent Keyboard and Mouse set

SKU: H-I3_12-16_16-M512-12_5-X-
THINUX-KM



Thinvent® Neo H Mini PC: Your Industrial Command Center.

Unleash powerful performance and robust reliability with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. Engineered for demanding industrial applications, this compact powerhouse is designed and made in India with a solid steel construction for ultimate durability.

Key Performance Pillars

- Experience seamless multitasking with the Intel® Core™ i3-1215U processor, boasting 6 cores, up to 4.4 GHz max frequency, and 10 MB cache.
- Swift operations are guaranteed with 4GB DDR4 RAM and a rapid 512GB SSD for expansive storage.

Versatile Connectivity

- Connect your displays effortlessly with HDMI and VGA ports.
- Enjoy rich audio with a dedicated Speaker Out and Mic In.
- Expand your peripherals with 2 USB 3.2 and 2 USB 2.0 ports.
- Achieve lightning-fast network speeds with 1000 Mbps Ethernet.

Intelligent Operating System



- Powering this industrial workhorse is Thinvent® Thinux™ Embedded Linux, optimized for efficiency and security.
- Streamline your workflow with integrated Chromium and Mozilla Firefox browsers, RDP 10, Putty, and SSH for seamless remote access.
- Benefit from browser-based remote management, VNC shadowing, and support for Java, Python, and glibc location applications.
- Enhance productivity with LibreOffice, a PDF viewer, and a multimedia player with MPEG4 support.
- Communicate clearly with SIP video and voice over IP capabilities.

Built for the Toughest Environments

- Operates reliably between 0°C ~ 40°C with 20% ~ 80% RH humidity tolerance.
- Includes a 12V 7A adapter and a 2-meter power cable.
- Certified with BIS, RoHS, and ISO for quality assurance.
- Its sleek black steel housing measures a compact 210mm × 202mm × 80mm.
- Comes complete with a Thinvent® Keyboard and Mouse set.

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	32 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
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
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POWER

DC Voltage	12 Volts
DC Current	5 Amps
Power Input	100~240 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	2.21kg, 2.63kg

ACCESSORIES

Keyboard and Mouse	1
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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

