



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)

128GB SSD

Dual Band WiFi

Thinux Embedded Linux

Thinvent Keyboard and Mouse set

SKU: H-I3_12-16_16-M128-12_5-M-
THINUX-KM



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

Introducing the Thinvent® Neo H Mini PC, a high-performance powerhouse built for demanding industrial applications. This is the ultimate evolution of our bestselling Neo model, boasting an impressive Intel® Core™ i3-1215U processor with 6 cores reaching up to 4.4 GHz and a substantial 10 MB cache, ensuring seamless multitasking and rapid processing. Coupled with a massive 64GB of DDR4 RAM, this Mini PC handles complex operations with ease.

Key Benefits

- Industrial Grade Performance: Experience unparalleled speed and responsiveness thanks to the powerful Intel® Core™ i3-1215U processor and 64GB RAM.
- Robust Connectivity: A comprehensive array of ports including HDMI, VGA, USB 3.2, USB 2.0, and Gigabit Ethernet provides versatile connection options for all your peripherals and displays.

- Resilient Design: Constructed with a solid steel housing and finished with a durable black power coating, the Neo H is engineered to withstand rigorous environments.
- Optimized Operating System: Thinux™ Embedded Linux offers a secure, efficient, and feature-rich platform with pre-loaded browsers, remote access tools, and productivity applications like LibreOffice.
- Ready for Work: Includes a Thinvent® Keyboard and Mouse set, making it ready for deployment straight out of the box.
- Made in India Excellence: 100% designed and manufactured in India, reflecting a commitment to quality and local innovation.

This industrial workhorse is designed for applications such as industrial control, offering the power and reliability you need to drive your operations forward.

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	128 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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

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