



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM

256GB SSD

Dual Band WiFi

Ubuntu Linux

Thinvent Keyboard and Mouse set

SKU: H-I3_12-32-S256-12_5-M-U-KM



Thinvent® Neo H Mini PC: Unleash Industrial Power in a Compact Design.

Experience the pinnacle of performance and reliability with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. Engineered as an industrial workhorse, this powerhouse is meticulously designed and made in India, boasting a robust steel construction for unparalleled durability.

Key Features and Benefits

- Uncompromising Processing Power: Featuring the Intel® Core™ i3-1215U processor with 6 cores, a blazing 4.4 GHz max frequency, and 10 MB cache, tackle demanding industrial control tasks with effortless speed.
- Expansive Memory and Storage: Immerse yourself in seamless multitasking with 32GB of DDR4 RAM, complemented by a swift 128GB SSD for rapid boot times and data access.

- Versatile Connectivity: Connect all your essential peripherals and displays with 1 HDMI, 1 VGA, 2 USB 3.2, and 2 USB 2.0 ports. Enjoy stable wired networking with a 1000 Mbps Ethernet port and reliable wireless connectivity via Dual Band Wi-Fi.
- Robust Power and Cooling: Powered by a 12V 7A adapter with a wide AC input range, and built to perform in temperatures from 0°C to 40°C, ensuring consistent operation.
- Ready for Work: Comes pre-loaded with Ubuntu Linux 24.04 LTS, offering a stable and flexible operating system for your industrial needs. The included Thinvent® Keyboard and Mouse set makes setup a breeze.
- Built to Last: The solid steel housing with a durable black powder coating ensures longevity in challenging environments.

Ideal for industrial control, automation, and other demanding applications.

Dimensions: 210mm × 202mm × 80mm.

Certifications: BIS, RoHS, ISO.

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	256 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	Ubuntu Linux 24.04 LTS
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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

Thinux = Thinux™ 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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