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

Dual Band WiFi

Ubuntu Linux

SKU: H-I3_12-32_32-M512-12_5-M-U-0

Thinvent® Neo H Mini PC: Unleash Industrial Power.

Experience the High Performance evolution of our bestselling Neo model. The Thinvent® Neo H Mini PC is an industrial workhorse, 100% designed and made in India, featuring a robust, solid steel build. It's our largest product, engineered for demanding environments.

Core Performance

Powered by the Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and supported by a 10 MB cache, the Neo H delivers exceptional processing power for complex industrial control and similar applications.

Memory and Storage

- Massive 64GB DDR4 RAM for superior multitasking
- Blazing-fast 1TB SSD for rapid data access and ample storage

Connectivity Options

Stay connected with a comprehensive suite of ports

- 2x USB 3.2 ports and 2x USB 2.0 ports for versatile peripheral connections
- HDMI and VGA for flexible dual display configurations
- Speaker Out and Mic In for complete audio management
- Gigabit Ethernet (1000 Mbps) for ultra-reliable wired networking
- Dual Band Wi-Fi 5 (802.11ac) for high-speed wireless flexibility

Built for Durability

The sleek black, powder-coated steel housing ensures long-term reliability.

- Dimensions: 210mm × 202mm × 80mm
- Wide operating temperature: 0°C ~ 40°C
- Operating humidity: 20% ~ 80% RH, non-condensing
- Certified: BIS, RoHS, ISO

Power Supply

Equipped with a robust 12V 7A adapter (100~275V AC, 50~60Hz input) and a 2-metre cable, providing stable, continuous power.

Operating System

- Ubuntu Linux 24.04 LTS

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
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	1.69kg, 2.11kg

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		**m256** = 256GB	
	m512 = 512GB		**m1024** = 1TB	
	S32 = 32GB MLC		**S128** = 128GB	
	S256 = 256GB			
Wireless	**m** = Dual Band WiFi		**X** = No WiFi	
OS	**DOS** = DOS		**W_OS** = Without OS	
	11V = Windows 11 IoT Value		**11P** = Windows 11 Pro	
	Thinux = Thinux™ Embedded Linux		**U** = Ubuntu Linux	
Accessories	**0** = None		**KM** = Keyboard and Mouse set	
	1S = DB9 Serial		**MK** = Mechanical Keyboard	
	Mo = Wired Optical Scroll Mouse			

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