Thinvent Neo H Mini PC

Intel Core i3-12100 processor

4 core, up to 4.3 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

1TB SSD

No WiFi

Ubuntu Linux

SKU: H-I3_12D-32_32-M1024-19_7-X-U-0



Power Your Industrial Work with the Thinvent® Neo H Mini PC

Compact power for demanding environments, built to keep your operations moving.

Thinvent® Neo H Mini PC is the high performance version of our bestselling Neo range, and our largest model to date. Powered by the 12th generation Intel® Core™ i3-12100 processor, it delivers quick, responsive computing for industrial control and similar applications where reliability matters.

Key benefits include

- Fast, responsive performance from a four-core Intel® processor, ready for control tasks and everyday industrial workloads
- A generous set of connections, including two HDMI and one DisplayPort outputs, two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports, and gigabit Ethernet, so you can connect your existing equipment with ease
- Audio input and output for voice, monitoring and operator interface needs
- A rugged steel base and aluminium cover in a powder coated black finish that looks at home on the factory floor or in the control room
- Designed and made in India, with a 12V DC power supply and two metre cable for flexible placement

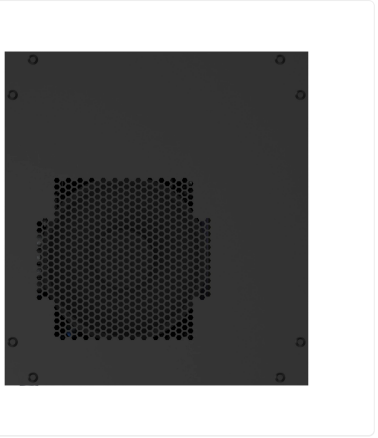
Thinvent® Neo H Mini PC arrives ready to run Ubuntu Linux 24.04 LTS, giving you a stable, familiar platform for your software and tools.

Whether you are upgrading a control system, building a compact workstation or replacing an older machine with something more capable, the Neo H brings serious performance into a space-saving package.

Choose the Thinvent® Neo H Mini PC and put a true industrial workhorse at the heart of your operations.







Thinvent Neo H Mini PC

Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	12100
Cores	4
Max Frequency	4.3 GHz
Cache	12 MB
Chipset	Intel B760
TPM	TPM 2.0 header
Main Memory	64 GB
SSD Storage	1024 GB

DISPLAY

HDMI	2
DisplayPort	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2 Gen 2	2
USB 3.2 Gen 1	2

NETWORKING

Ethernet	1000 Mbps

POWER

DC Voltage	19 Volts
DC Current	7 Amps
Power Input	100~240 Volts AC, 50~60 Hz, 1.5 Amps maximum
Cable Length	1.5 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	181.5mm × 199.5mm × 72mm
Packing Dimensions	335mm × 240mm × 110mm
Housing Material	Steel base, aluminium cover
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	0.67kg, 1.09kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS

Thinvent Neo H Mini PC

Ordering Information

PRODUCT CODE

`H-i3_12d-[RAM]-[SSD]-19_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	
	m2048 = 2TB		**S32** = 32GB MLC	
	S32T = 32GB		**S128** = 128GB	
	S256 = 256GB		**m128_S128** = Dual 128GB	
	m128_S32 = 128GB SSD + 32 GB MLC		**S128_S32** = 128GB SSD + 32 GB MLC	
	S128_S128 = 128GB SSD + 128 GB MLC		**m32_S32** = 32GB SSD + 32 GB MLC	
	S32_S32 = 32GB MLC SSD + 32GB MLC		**S32T_S32T** = 32GB SSD + 32GB	
	h1024 = 1TB HDD		**n512_h1024** = 512GB NVMe SSD + 1TB HDD	
	n1024_h1024 = 1TB NVMe SSD + 1TB HDD			
Wireless	**m** = Dual Band WiFi		**X** = No WiFi	
OS	**DOS** = DOS		**W_OS** = Without OS	
	11V = Windows 11 IoT Value		**11P** = Windows 11 Pro	
	11O = Windows 11 Professional		**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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