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

Dual Band WiFi

Windows 11 Professional

SKU: H-I3_12D-32_32-M1024-19_7-M-11O-0



Compact Power, Built for Industrial Work

The Thinvent® Neo H Mini PC brings desktop-class performance into a compact, rugged package designed for demanding environments. As the high-performance member of the bestselling Neo family, it is our largest and most capable model, engineered to keep your operations running smoothly.

Powered by the 12th Generation Intel® Core™ i3-12100 processor, with four cores reaching up to 4.3 GHz and 12 MB of cache, the Neo H handles everyday workloads quickly and responsively. Paired with 4GB of DDR4 RAM and a 128GB SSD, it is ready to run Microsoft Windows 11 Professional straight out of the box.

Connectivity is where the Neo H truly stands out

- Two HDMI and one DisplayPort outputs for flexible display setups
- Two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports for fast peripheral connections
- Gigabit Ethernet at 1000 Mbps for reliable wired networking
- Dual band Wi-Fi 5 (802.11ac) for dependable wireless access
- Dedicated speaker and microphone connections for communication tasks

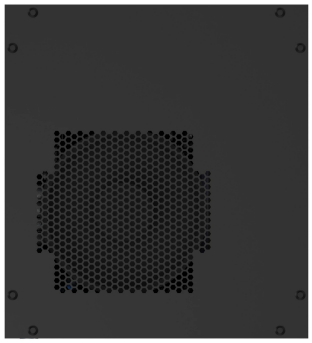
Designed for industrial control and similar applications, the Neo H is built to withstand the realities of the workplace. Its steel base and aluminium cover, finished in durable powder-coated black, give it a robust, professional look. It operates reliably across a wide temperature range of 0°C to 40°C and in humidity from 20% to 80% RH, non-condensing.

Every Neo H is 100% designed and made in India, backed by Thinvent's commitment to quality. Its flexibility also makes it a sound choice for those who want to upgrade later, as it accepts desktop Intel® Core™ and Core™ Ultra processors on socket boards, cooled by the Intel Laminar boxed cooler.

Choose the Thinvent® Neo H Mini PC when you need a compact industrial workhorse that delivers performance, connectivity and resilience in one dependable system.







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

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	Microsoft Windows 11 Professional

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			

www.thinvent.in sales@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