Thinvent Neo H Mini PC

Intel Core i7-12700 processor

12 core, up to 4.9 GHz, 25 MB cache

32GB DDR4 RAM

128GB SSD + 32 GB MLC SSD

Dual Band WiFi

Without OS

SKU: H-I7_12D-32-S128_S32-19_7-M-W_OS-0



Power Meets Precision: The Neo H Mini PC Brings Desktop Performance to Your Industrial Floor

The Thinvent® Neo H Mini PC is the high performance flagship of our bestselling Neo range. Built around the Intel® Core™ i7-12700 processor, it delivers the responsiveness demanding industrial environments require, from control systems to data-intensive monitoring applications.

Designed for Demanding Work

Twelve cores and a boost up to 4.9 GHz give you the processing power to run control software, handle multiple tasks at once and keep your operations moving without delay. Pair that with 4 GB of DDR4 RAM and a 128 GB SSD, and you have a dependable foundation for industrial control and similar applications.

Connected Wherever You Need Us

Plenty of connectivity sits on the back panel, so your equipment can talk to the rest of your setup with ease

- Two HDMI and one DisplayPort outputs for flexible display options
- Two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports for fast peripheral connections
- Gigabit Ethernet for reliable wired networking
- Dual band Wi-Fi 5 for wireless flexibility
- Speaker out and microphone in ports for audio-enabled applications

Built to Last in Tough Settings

The steel base and aluminium cover, finished in durable powder-coated black, give the Neo H a solid, professional presence on the factory floor. It is designed to operate reliably across a wide range of temperatures and humidity levels, so it keeps running when conditions get demanding.

Proudly Made in India

Every Neo H Mini PC is 100% designed and made in India, backed by the quality standards and certifications that matter to industrial buyers.

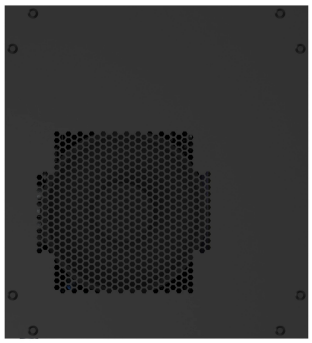
Ready for Your Setup

Supplied without an operating system, the Neo H gives you the freedom to install the software that suits your application. Its 12V 5A adapter with a two-metre cable keeps installation simple.

Choose the Neo H Mini PC when you need a compact, powerful and well-connected industrial workhorse that fits the way you work.







Thinvent Neo H Mini PC

Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	12700
Cores	12
Max Frequency	4.9 GHz
Cache	25 MB
Chipset	Intel B760
TPM	TPM 2.0 header
Main Memory	32 GB
SSD Storage	32 GB
Secondary SSD Storage	32 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	340mm × 235mm × 105mm
Housing Material	Steel base, aluminium cover
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	0.91kg, 1.32kg

OPERATING SYSTEM

Operating System	Without OS

Thinvent Neo H Mini PC

Ordering Information

PRODUCT CODE

`H-i7_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	
	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 + 32 GB MLC	
	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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