Thinvent Neo H Mini PC

Intel Core i7-12700 processor

12 core, up to 4.9 GHz, 25 MB cache

4GB DDR4 RAM

32GB MLC SSD + 32 GB MLC SSD

Dual Band WiFi

Ubuntu Linux

SKU: H-I7_12D-4-S32_S32-19_7-M-U-0



Power Through Demanding Tasks with the Thinvent Neo H Mini PC

Compact enough for the desk, capable enough for the factory floor. The Thinvent Neo H is the high performance flagship of our bestselling Neo range, built for industrial control and demanding applications where reliability and responsiveness matter.

At its heart sits the Intel Core i7-12700 processor, with 12 cores to tackle multiple workloads at once. Whether you are running control software, processing data or managing several tasks simultaneously, this powerful CPU keeps things moving smoothly.

Connectivity is where the Neo H truly shines. Two HDMI ports and a DisplayPort let you drive multiple screens for monitoring and operator interfaces. Four USB 3.2 ports give you fast, flexible connections for peripherals and equipment, while gigabit Ethernet and dual band Wi-Fi keep your network links dependable.

The steel base and powder coated aluminium cover give the Neo H a sleek black finish that looks at home in a workshop, control room or office. Designed and made in India, it is built to suit the demands of modern industry.

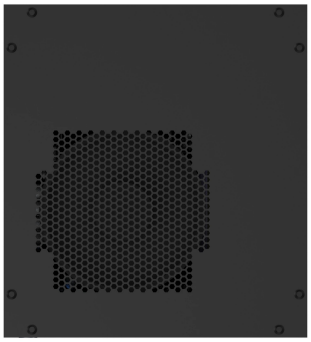
Ubuntu Linux 24.04 LTS comes pre-installed, giving you a stable, familiar platform ready to use straight out of the box.

- Powerful 12-core Intel Core i7 performance for demanding tasks
- Versatile connectivity with multiple display outputs and USB ports
- Fast gigabit Ethernet and dual band Wi-Fi
- Durable steel and aluminium build in a sleek black finish
- Ready to run with Ubuntu Linux 24.04 LTS

Choose the Thinvent Neo H when you need serious processing power in a compact, well-connected package that is ready to get to 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	4 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	Ubuntu Linux 24.04 LTS

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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