Thinvent Neo H Mini PC

Intel Core i7-14700 processor

20 core, up to 5.4 GHz, 33 MB cache

32GB DDR4 RAM

1TB SSD

No WiFi

DOS

SKU: H-I7_14D-32-M1024-19_7-X-DOS-0

Power That Keeps Pace With Your Industrial Demands

The Thinvent® Neo H Mini PC brings high-performance computing to a compact, industrial-grade form. As the High Performance version of our bestselling Neo range, it is our largest and most powerful model, built to handle demanding control and automation work without fuss.

At its heart sits the Intel® Core™ i7-14700 processor, with 20 cores and turbo speeds up to 5.4 GHz, giving you quick responses and smooth multitasking across demanding applications. Paired with 4GB of DDR4 RAM and 128GB of SSD storage, it is ready to get your work started straight away.

Connectivity is where the Neo H truly shines. Two HDMI ports and a DisplayPort let you drive multiple screens, while four USB 3.2 ports, a 1000 Mbps Ethernet connection, and audio inputs and outputs keep your peripherals and networks linked. A TPM 2.0 header adds a further layer of security for sensitive operations.

Built to be dependable, the Neo H features a steel base and aluminium cover in a durable powder-coated black finish. It is designed for everyday industrial environments, operating reliably across temperatures from 0°C to 40°C.

Proudly 100% designed and made in India, the Thinvent® Neo H is ideal for industrial control, automation, and similar applications where performance and reliability matter most.

Choose the Neo H and give your operations the power they deserve.

Thinvent Neo H Mini PC

Specifications

PROCESSING

Generation	14th
Series	i7
Processor Brand	Intel
Processor Model	14700
Cores	20
Max Frequency	5.4 GHz
Cache	33 MB
Chipset	Intel B760
TPM	TPM 2.0 header
Main Memory	32 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	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	FreeDOS

Thinvent Neo H Mini PC

Ordering Information

PRODUCT CODE

`H-i7_14d-[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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