Thinvent Neo H Mini PC

Intel Core i7-14700 processor

20 core, up to 5.4 GHz, 33 MB cache

4GB DDR4 RAM

128GB SSD + 32 GB MLC SSD

Dual Band WiFi

Windows 11 Pro

SKU: H-I7_14D-4-M128_S32-19_7-M-11P-0



Power Through Industrial Workloads with the Thinvent Neo H Mini PC

Built for demanding industrial environments, the Thinvent® Neo H Mini PC brings high-performance computing into a compact, robust package. As the High Performance version of our bestselling Neo range, it is our largest and most powerful model, designed for operators who need serious processing muscle without compromise.

At its heart sits the Intel® Core™ i7-14700 processor, offering 20 cores that stay quick to respond under sustained load. Whether you are running industrial control software, monitoring multiple processes or handling data-intensive applications, this 14th generation processor keeps your operations moving.

Connectivity is where the Neo H excels. With two HDMI outputs and a DisplayPort, you can drive multiple screens for control rooms and monitoring stations. Two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports let you connect peripherals and data devices with ease, while Gigabit Ethernet and dual band Wi-Fi keep you linked to your network however your site is set up.

Security is built in, with a TPM 2.0 header supporting your protection requirements. Pre-installed with Microsoft Windows 11 Pro, the Neo H is ready to deploy straight out of the box.

Its steel base and aluminium cover, finished in durable powder-coated black, give the Neo H a tough, professional look that suits factory floors and control cabinets alike. The Intel® Laminar boxed cooler keeps the processor running steadily as temperatures rise.

Proudly 100% designed and made in India, the Neo H Mini PC is the dependable choice for industrial control and similar applications where performance and reliability matter most.



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	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	Microsoft Windows 11 Pro

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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