Thinvent Neo H Mini PC

Intel Core i7-14700 processor

20 core, up to 5.4 GHz, 33 MB cache

32GB DDR4 RAM

128GB SSD + 32 GB MLC SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: H-I7_14D-32-S128_S32-19_7-M-11V-0



Power Meets Precision: The Thinvent Neo H Mini PC

Built for demanding industrial environments, the Thinvent Neo H Mini PC brings serious computing muscle to the places where reliability matters most.

Designed as the High Performance version of our bestselling Neo model, it is our largest and most capable mini PC. At its heart sits the Intel Core i7-14700 processor, whose 20 cores let it handle demanding control and processing tasks with ease, keeping your operations moving quickly and smoothly.

Suitable for industrial control and similar applications, the Neo H is ready to take on the workload you give it. Its generous connectivity gives you the flexibility to link up with the equipment and displays around you

- Multiple HDMI and DisplayPort outputs for connecting screens
- Two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports for fast peripheral connections
- Gigabit Ethernet for wired networking
- Dual band Wi-Fi for wireless connectivity
- Dedicated audio and microphone ports

Every Neo H is 100% designed and made in India, giving you a product built with care close to home. Its steel base and aluminium cover, finished in a durable powder coated black, combine a sturdy build with a sleek, professional look that fits neatly into any workspace.

Pre-loaded with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, the Neo H is ready to deploy straight out of the box.

Choose the Thinvent Neo H Mini PC when you need performance you can count on, in a compact package designed for the industrial world.



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	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 IoT Enterprise LTSC 2024 Value

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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