Thinvent Neo H Mini PC

Intel Core i7-12700 processor

12 core, up to 4.9 GHz, 25 MB cache

4GB DDR4 RAM

256GB SSD

Dual Band WiFi

DOS

SKU: H-I7_12D-4-M256-19_7-M-DOS-0



Power Meets Precision: The Thinvent® Neo H Mini PC

Built for demanding industrial environments, the Thinvent® Neo H Mini PC brings high-performance computing to the places where reliable results matter most.

At its heart sits an Intel® Core™ i7-12700 processor with 12 cores, delivering quick, responsive performance for control and automation tasks. Its 25 MB cache keeps frequently used data close at hand, helping your workflows run smoothly.

This is the high performance version of our bestselling Neo model, and it is our largest product yet. Its robust steel base and aluminium cover, finished in durable powder-coated black, give it a solid, professional presence on the factory floor or in the control room.

Connectivity is where the Neo H excels. You get two HDMI ports and a DisplayPort for flexible display setups, two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports for fast peripheral connections, and a 1000 Mbps Ethernet port for dependable wired networking. Dual band Wi-Fi 5 adds wireless flexibility, while audio input and output ports support voice and sound applications.

Designed for industrial control and similar applications, the Neo H suits teams who need a compact computer that handles serious workloads without fuss. Its operating range of 0°C to 40°C and humidity tolerance of 20% to 80% RH, non-condensing, help it keep working in everyday industrial conditions.

Proudly 100% designed and made in India, the Thinvent® Neo H Mini PC is the workhorse your operation has been waiting for. Choose it when you need power, connectivity and dependability in one compact package.









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	256 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	335mm × 240mm × 110mm
Housing Material	Steel base, aluminium cover
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	0.67kg, 1.09kg

OPERATING SYSTEM

Operating System	FreeDOS

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	
	S32T = 32GB		**S128** = 128GB	
	S256 = 256GB		**h1024** = 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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