Thinvent Neo H Mini PC

Intel Core i3-14100 processor

4 core, up to 4.7 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

No WiFi

Windows 11 IoT Value

SKU: H-I3_14D-16-M512-19_7-X-11V-0

Built to Work Hard, Designed to Keep Going

The Thinvent® Neo H Mini PC brings desktop-class performance to the factory floor, control room and beyond. Powered by the 14th Generation Intel® Core™ i3-14100 processor, with four cores and boosts up to 4.7 GHz, it handles demanding industrial control tasks with quick, responsive ease.

Ideal for

- Industrial control and automation systems
- Machine monitoring and data collection
- Kiosks, displays and digital signage
- Point-of-sale and back-office operations

Connectivity that keeps your operations moving

- Two HDMI and one DisplayPort outputs for multi-screen setups
- Four USB 3.2 ports for fast peripheral and storage connections
- Gigabit Ethernet for reliable wired networking
- Audio output and microphone input for voice and alert systems

Built for practical, everyday reliability, the Neo H is 100% designed and made in India, with a steel base and aluminium cover in a durable powder-coated black finish. It runs Windows 11 IoT Enterprise LTSC 2024, giving you a stable, long-term platform for critical applications, and a TPM 2.0 header supports stronger system security.

With a compact footprint and a wide operating temperature range, the Neo H fits neatly into tight spaces while staying quick to respond to the demands of your day. The high-performance choice in the bestselling Neo range, it is ready to power your next project from day one.

Thinvent Neo H Mini PC

Specifications

PROCESSING

Generation	14th
Series	i3
Processor Brand	Intel
Processor Model	14100
Cores	4
Max Frequency	4.7 GHz
Cache	12 MB
Chipset	Intel B760
TPM	TPM 2.0 header
Main Memory	16 GB
SSD Storage	512 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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value

Thinvent Neo H Mini PC

Ordering Information

PRODUCT CODE

`H-i3_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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