Thinvent Neo H Mini PC

Intel Core i3-14100 processor

4 core, up to 4.7 GHz, 12 MB cache

16GB DDR4 RAM

2TB SSD

No WiFi

Thinux Embedded Linux

SKU: H-I3_14D-16-M2048-19_7-X-THINUX-0

Power Your Industrial Operations With Compact, Confident Performance

Meet the Thinvent® Neo H Mini PC, the high performance flagship of our best-selling Neo range. Built for demanding industrial control and similar applications, it brings serious processing power into a compact black chassis that fits almost anywhere on the factory floor.

Designed and made in India, the Neo H is engineered for reliability at its core. Its steel base and aluminium cover, finished in a durable powder-coated black, give it a robust, professional look that suits both control cabinets and workstations.

Why choose the Neo H

- Strong processing power from the 14th generation Intel® Core™ i3-14100 processor, quick to respond when your applications need it most
- Ample connectivity, with two HDMI ports, a DisplayPort, two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports, plus gigabit Ethernet for fast, dependable networking
- A TPM 2.0 header to support your security requirements
- Ready to run Thinvent® Thinux™ Embedded Linux, with Chromium and Mozilla Firefox browsers, LibreOffice, a PDF viewer and a multimedia player with MPEG4 support
- Remote management made easy, with RDP 10, SSH, PuTTY, VNC shadowing and browser based management
- Support for Java, Python and glibc based applications, so your own software can run without fuss
- SIP video and voice over IP for clear, integrated communications

Built to keep working, the Neo H operates reliably in temperatures from 0°C to 40°C and humidity from 20% to 80% RH, non condensing, making it a dependable choice for everyday industrial environments.

Whether you are upgrading an existing control system or specifying hardware for a new project, the Thinvent® Neo H Mini PC delivers the performance, connectivity and dependability your operation demands. Get in touch today and put a proven industrial workhorse to work for you.

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	2048 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	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

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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