Thinvent Neo H Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM

32GB SSD

Dual Band WiFi

Thinux Embedded Linux

SKU: H-I5_12-16-S32T-12_7-M-THINUX-0



Unleash Industrial Power: The Thinvent® Neo H Mini PC is Your Ultimate Workhorse.

Introduction

Experience the high-performance evolution of our bestselling Neo series. The Thinvent® Neo H Mini PC, our largest and most robust model, is an industrial workhorse, 100% designed and made in India. Engineered for demanding industrial control and similar applications, its solid steel build ensures unparalleled durability.

Performance That Drives Productivity

- At its core, the formidable Intel® Core™ i5-1250P processor boasts 12 cores and up to 4.4 GHz, backed by a 12 MB cache for lightning-fast operations.
- Multitask seamlessly with 4GB DDR4 RAM.
- Store critical data and boot applications rapidly on the speedy 256GB SSD.

Unrivaled Connectivity and Flexibility

- Connect diverse displays via HDMI and VGA ports.
- Access peripherals with two USB 3.2 and two USB 2.0 ports.
- Stay connected with high-speed Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac).
- Integrated speaker out and mic in complete audio solutions.

Thinvent® Thinux™: Intelligent Control

Powered by our Thinvent® Thinux™ Embedded Linux, this system offers

- Secure remote access and management via RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Effortless browser-based remote management.
- Essential productivity tools including LibreOffice, a PDF viewer, and multimedia playback (MPEG4).
- Support for Java, Python, and glibc based applications.
- Built-in Chromium and Mozilla Firefox browsers, plus SIP video and voice over IP.

Built to Last

Constructed from sturdy steel with a powder-coated black finish, the Neo H operates reliably from 0°C to 40°C and 20% to 80% non-condensing humidity. It's fully BIS, RoHS, and ISO certified. Its compact 210mm × 202mm × 80mm footprint belies its immense power.







Thinvent Neo H Mini PC

Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	32 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2

NETWORKING

Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

POWER

DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum
Cable Length	2 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	1.82kg, 2.24kg

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-i5_12-[RAM]-[SSD]-12_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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