



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

128GB SSD

Dual Band WiFi

DOS

SKU: H-I5_14-16-S128-12_5-M-DOS-0



Unleash Mighty Performance in a Mini Footprint.

The Thinvent® Neo H Mini PC redefines compact computing, delivering a powerhouse of performance in an incredibly small form factor. Designed for those who demand uncompromising speed and versatility, this Mini PC is engineered to excel in any environment, from demanding workstations to sleek home offices.

Performance Unbound

- Experience blazing-fast computing with the Intel® Core™ 5 120U processor, featuring 10 cores and an impressive 5.0 GHz max frequency, backed by a 12 MB cache for seamless data access.
- Multitask without limits thanks to a colossal 64GB DDR4 RAM, ensuring silky-smooth operation even with intensive applications.
- Boot up instantly and load programs in a flash with the responsive 256GB SSD storage.

Seamless Connectivity

- Connect effortlessly to multiple displays using the dual HDMI ports and an additional VGA output.
- Enjoy rapid data transfer and networking with a 1000 Mbps Ethernet port and dual-band Wi-Fi 5 (802.11ac) for reliable wireless access.

- Four USB ports (two USB 3.0, two USB 2.0), along with dedicated speaker out and mic in, provide extensive peripheral flexibility.

Built to Last

- Encased in a durable, black powder-coated steel housing, measuring just 210mm x 202mm x 80mm, the Neo H is engineered for longevity and discreet integration.
- Its robust design supports operation in temperatures from 0°C to 40°C and humidity from 20% to 80% RH, non-condensing.
- Quality and compliance are guaranteed with BIS, RoHS, and ISO certifications.
- Powered by a versatile 12V 7A adapter with a 2-meter cable, it adapts to various power inputs (100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum).

Your OS, Your Choice

- Shipped with FreeDOS, the Thinvent® Neo H offers you the freedom to install the operating system that best suits your needs, providing ultimate customization and value.

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	128 GB

DISPLAY

HDMI	2
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.0	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	5 Amps
Power Input	100~240 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	210mm × 202mm × 80mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Steel
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	1.33kg, 1.75kg

OPERATING SYSTEM

Operating System	FreeDOS
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Ordering Information

PRODUCT CODE			
H-i5_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]			
RAM	4 = 4GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4
	64 = 64GB DDR4		32 = 32GB DDR4
SSD	m128 = 128GB		m256 = 256GB
	m32 = 32GB		m512 = 512GB
	m1024 = 1TB		S32 = 32GB MLC
	S128 = 128GB		S256 = 256GB
Wireless	m = Dual Band WiFi		X = No WiFi
OS	DOS = DOS		W_OS = Without OS
	11V = Windows 11 IoT Value		11P = Windows 11 Pro
	Thinix = Thinix™ 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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