

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

64GB DDR4 RAM

32GB MLC SSD

No WiFi

DOS

SKU: H-I5_14-64-S32-12_5-X-DOS-0



Unleash Industrial Power: The Thinvent® Neo H Mini PC.

Introduction

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo line. This robust, 100% India-designed and manufactured industrial workhorse is engineered to dominate demanding applications, providing unmatched reliability and speed where it matters most.

Performance That Drives Productivity

- At its core lies the formidable Intel® Core™ 5 120U processor, boasting 10 cores and reaching speeds up to 5.0 GHz with a generous 12 MB cache for exceptional processing power.
- Coupled with a swift 16GB DDR4 RAM, the Neo H handles intensive tasks effortlessly, ensuring seamless operation for critical industrial control and similar environments.
- Experience lightning-fast boot-ups and application loading thanks to the responsive 128GB SSD.

Unrivaled Connectivity and Durability

- The Neo H is built for versatility, offering a comprehensive suite of connectivity options including two HDMI ports, one VGA, two USB 3.0, two USB 2.0, dedicated Speaker Out and Mic In ports, and a Gigabit Ethernet port for stable, high-speed wired network access.
- Its solid steel housing, finished with a durable powder coating, ensures longevity and resilience in challenging operating conditions (0°C to 40°C temperature, 20-80% RH humidity).
- This industrial-grade design is further solidified by BIS, RoHS, and ISO certifications, guaranteeing quality and compliance.
- Powered by a robust 12V 7A adapter, it ensures reliable operation. Running on FreeDOS, it provides a lean, controlled environment perfect for dedicated industrial applications.

Compact Powerhouse

- Despite its immense power and robust build, this largest Neo product maintains a compact footprint of 210mm × 202mm × 80mm, suitable for seamless integration into diverse setups.



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	64 GB
SSD Storage	32 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
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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 64 = 64GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4 32 = 32GB DDR4
SSD	m128 = 128GB m32 = 32GB m1024 = 1TB S128 = 128GB		m256 = 256GB m512 = 512GB S32 = 32GB MLC S256 = 256GB
Wireless	m = Dual Band WiFi		X = No WiFi
OS	DOS = DOS 11V = Windows 11 IoT Value Thinix = Thinix™ Embedded Linux		W_OS = Without OS 11P = Windows 11 Pro U = Ubuntu Linux
Accessories	0 = None 1S = DB9 Serial Mo = Wired Optical Scroll Mouse		KM = Keyboard and Mouse set MK = Mechanical Keyboard

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