



Thinvent Neo H Mini PC

AMD Ryzen 5 7430U processor

6 core, up to 4.3 GHz, 16 MB cache

32GB DDR4 RAM

512GB SSD

Dual Band WiFi

Ubuntu Linux

Thinvent Keyboard and Mouse set

SKU: H-R5_7-32-M512-19_3-M-U-KM



Built for the toughest jobs, the Neo H Mini PC elevates your control room.

Industrial control demands a machine that never flinches. The Neo H brings serious processing power and generous memory to your most demanding applications, from factory floor automation to data acquisition systems. Its solid steel chassis is built to withstand the rigours of a hard-working environment, while a comprehensive selection of ports ensures you can connect to legacy and modern equipment without compromise.

Why choose the Neo H for your next project?

- Unleash true multitasking: run complex control software, monitor multiple processes, and handle data logging simultaneously, all without a hint of lag.
- Effortless integration: with a VGA port alongside HDMI, you can easily connect to older monitors and projectors, keeping existing infrastructure in play.

- Reliable connectivity: dual-band WiFi and gigabit Ethernet give you flexible networking options, ensuring your machine stays online and responsive.
- Energy-efficient and compact: consumes minimal power and takes up very little space on your workbench or in a DIN-rail cabinet.
- Designed and manufactured in India: built to the highest quality standards with a powder-coated steel finish, this PC is engineered for longevity.

The Neo H is more than a computer; it's a reliable partner for your most critical operations. Whether you're upgrading a production line or building a new control system, choose the workhorse that delivers day in, day out.

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	7000 Series
Series	Ryzen 5
Processor Brand	AMD
Processor Model	7430U
Cores	6
Max Frequency	4.3 GHz
Cache	16 MB
Main Memory	32 GB
SSD Storage	512 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2 Gen 1	2
USB 2.0	2

NETWORKING

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

POWER

DC Voltage	19 Volts
DC Current	3 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	1.79kg, 2.21kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE

H-r5_7-[RAM]-[SSD]-19_3-[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

m512 = 512GB

S32 = 32GB MLC

S256 = 256GB

m256 = 256GB

m1024 = 1TB

S128 = 128GB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

Thinux = Thinux™ 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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