

AMD Ryzen 5 7430U processor

6 core, up to 4.3 GHz, 16 MB cache

16GB DDR4 RAM (2 x 8GB)

2TB SSD

No WiFi

Thinux Embedded Linux

SKU: H-R5_7-8_8-M2048-19_3-X-THINUX-0



Power meets precision in an uncompromising industrial mini PC.

Unrivalled performance for demanding environments

- This is the high-performance flagship of our bestselling Neo series, engineered to handle intensive industrial control and automation tasks without breaking a sweat
- With a powerful AMD Ryzen processor at its heart, it delivers the computational muscle needed for real-time data processing, machine monitoring and complex control logic
- The robust Thinux Embedded Linux operating system comes pre-loaded with essential tools – Chromium, Firefox, RDP, VNC, SSH, Java, Python and LibreOffice – so you can deploy straight out of the box

Built for the factory floor

- Housed in a solid, powder-coated steel chassis, this mini PC withstands the rigours of industrial environments – vibration, dust and heat are no match for its durable construction

- A wealth of connectivity options – dual USB 3.2, two USB 2.0, HDMI, VGA, Gigabit Ethernet, plus separate audio I/O – means you can link to legacy machinery, modern sensors and remote management systems effortlessly
- The slim, space-saving form factor fits neatly into control cabinets, kiosks or workstations, freeing up valuable floor space

Designed and made in India

- Every unit is 100% engineered and manufactured in India, ensuring strict quality control, reliable supply and local support
- Certified to BIS, RoHS and ISO standards, it meets the compliance requirements of industrial and commercial deployments with confidence

Why choose the Neo H?

- If you need a dependable, powerful mini PC that thrives in 24/7 operation and can handle everything from PLC programming to digital signage to edge computing, this is the workhorse you've been searching for



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	16 GB
SSD Storage	2048 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
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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	1.27kg, 1.69kg

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.

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

m2048 = 2TB

S128 = 128GB

m256 = 256GB

m1024 = 1TB

S32 = 32GB MLC

S256 = 256GB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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