Thinvent Neo R/4 Mini PC

AMD Ryzen 5 7430U processor

6 core, up to 4.3 GHz, 16 MB cache

64GB DDR4 RAM (2 x 32GB)

1TB HDD

No WiFi

Thinux Embedded Linux



SKU: R-R5_7-32_32-H1024-19_3-X-THINUX-0

Powerful performance in a compact, rugged design for industrial applications.

Unleash seamless productivity

The Neo R/4 Mini PC brings the speed and efficiency of a modern AMD Ryzen processor to your workspace. Whether you're powering digital signage, running a point-of-sale system, or managing a thin client setup, this machine handles multitasking with ease. Its embedded Thinux operating system boots quickly and runs reliably day in, day out, without the bloatware of consumer operating systems.

Built for demanding environments

Housed in a powder-coated steel chassis, this mini PC withstands the bumps and vibrations of shop floors, kiosks, and factory lines. The compact footprint saves valuable desk or rack space, while the wide operating temperature range ensures consistent performance in temperatures from 0 to 40 degrees Celsius. You get industrial-grade durability without sacrificing computing power.

Designed for remote management and security

Out of the box, the Neo R/4 supports RDP, VNC shadowing, and SSH for secure remote display and control. Browser-based management tools let you update, monitor, and troubleshoot from anywhere. With Java, Python, and glibc support, your custom applications run natively. And because it runs Thinux Embedded Linux, you enjoy a locked-down environment that minimises attack surfaces and reduces IT overhead.

The smart choice for modern business

No WiFi means no security risks from wireless networks – perfect for cabled, high-security environments. The inclusion of both HDMI and VGA ports gives you flexible display options, while the USB 3.2 and Gigabit Ethernet deliver fast data transfers and network throughput. Energy efficient and backed by BIS, RoHS, and ISO certifications, the Neo R/4 is the reliable workhorse your operations deserve.





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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	64 GB
HDD Storage	1024 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

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	198mm × 200mm × 73mm
Packing Dimensions	340mm × 235mm × 105mm
Weight	110 grams
Housing Material	Steel
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	1.17kg, 1.58kg

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.

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Ordering Information

PRODUCT CODE

`R-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		**m256** = 256GB	
	m512 = 512GB		**m1024** = 1TB	
	m2048 = 2TB		**S32** = 32GB MLC	
	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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