Thinvent Neo R/4 Mini PC

Intel Core i5-1250P processor

12 core, up to 4.4 GHz, 12 MB cache

Dual LAN

8GB DDR4 RAM

2TB SSD

Dual Band WiFi

Ubuntu Linux

SKU: R-I5_12LG-8-M2048-12_7-M-U-0



Power Through Your Workday, Not Your Patience.

The Thinvent® Neo R/4 Mini PC brings genuine desktop-class performance to a compact steel chassis, making it an ideal choice for professionals who refuse to compromise on speed. With a 12th-generation Intel® Core™ i5-1250P processor delivering twelve cores and speeds of up to 4.4 GHz, demanding workloads feel effortless — from multitasking across dense spreadsheets to running virtual machines and development environments side by side.

Why choose the Neo R/4

- Built for responsiveness: the i5-1250P's twelve cores and 12 MB cache keep applications snappy, so you spend your time working rather than waiting.
- Ready for serious multitasking: 4 GB DDR4 memory and a 128 GB SSD give you fast boot times and fluid switching between tasks, with room to grow as your needs evolve.
- Dual Gigabit Ethernet: two 1000 Mbps ports make it a natural fit for network appliances, firewalls, and edge deployments where a single connection simply isn't enough.
- Flexible connectivity: HDMI and VGA outputs, two USB 3.2 ports, and audio in/out let you connect monitors, peripherals, and headsets without adapters.
- Wireless freedom: dual-band Wi-Fi 5 keeps you connected where cabling isn't practical.
- Purpose-built software: Ubuntu Linux 24.04 LTS comes preinstalled, so developers and IT teams can get productive from the first boot.
- Engineered to last: a powder-coated steel housing protects the internals in busy offices, labs, and industrial settings, with certified quality you can rely on.

Whether you're equipping a development team, deploying network services, or powering a busy workstation, the Neo R/4 delivers real performance in a footprint that fits almost anywhere.



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Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1250P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	8 GB
SSD Storage	2048 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

POWER

DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 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	335mm × 240mm × 110mm
Housing Material	Steel
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	1.72kg, 2.13kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS

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Ordering Information

PRODUCT CODE

`R-i5_12lg-[RAM]-[SSD]-12_7-[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	
	S32T = 32GB		**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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