



Thinvent Neo R/4 Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

128GB SSD

No WiFi

Windows 11 IoT Value

DB9 Serial



SKU: R-I5_12L-16-M128-12_7-X-11V-1S

Unleash industrial reliability in a compact powerhouse.

Built for the long haul

Designed for demanding 24/7 operation, the Thinvent® Neo R/4 is your steadfast partner in industrial automation and digital signage. Its robust, fanless steel construction ensures silent, reliable performance in environments where dust and vibration are a fact of life.

Power where it counts

Harness the efficient multitasking power of 12th Gen Intel® processing to drive complex processes, manage multiple displays, or run your critical control software without hesitation. Dual Gigabit Ethernet ports provide essential network redundancy and connectivity for PLCs and other equipment.

Ready for legacy and modern systems

Seamlessly integrate with both new and existing infrastructure. The dedicated DB9 serial port offers direct, hassle-free communication with legacy machinery, while modern I/O handles today's peripherals. Pre-installed with a streamlined Windows 11 IoT OS, it's secure and ready for your application out of the box.

Simplify your deployment

Its mini form factor and versatile 12V DC power input allow for flexible, space-saving installation almost anywhere—from control cabinets to kiosks to retail point-of-sale. Deploy a solution that works tirelessly so you can focus on what matters most.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 12th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 1240P |
| Cores | 12 |
| Max Frequency | 4.4 GHz |
| Cache | 12 MB |
| Main Memory | 16 GB |
| SSD Storage | 128 GB |

DISPLAY

| | |
|------|---|
| HDMI | 1 |
| VGA | 1 |

AUDIO

| | |
|-------------|---|
| Speaker Out | 1 |
| Mic In | 1 |

CONNECTIVITY

| | |
|-------------|------------------|
| USB 3.2 | 2 |
| Serial Port | 1 DB9 male RS232 |

NETWORKING

| | |
|----------------|-----------|
| Ethernet | 1000 Mbps |
| Ethernet Ports | 2 |

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 | 340mm × 235mm × 105mm |
| Weight | 110 grams |
| Housing Material | Steel |
| Housing Finish | Powder Coated |
| Housing Colour | Black |
| Net and Gross Weight | 1.72kg, 2.13kg |

OPERATING SYSTEM

| | |
|------------------|---|
| Operating System | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|---|

Ordering Information

| PRODUCT CODE | |
|--|--|
| R-i5_12l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] | |
| RAM | 4 = 4GB DDR4 8 = 8GB DDR4 16 = 16GB DDR4 32 = 32GB DDR4 64 = 64GB DDR4 |
| SSD | m128 = 128GB m256 = 256GB m32 = 32GB m512 = 512GB m1024 = 1TB S32 = 32GB MLC S128 = 128GB S256 = 256GB |
| Wireless | m = Dual Band WiFi X = No WiFi |
| OS | DOS = DOS W_OS = Without OS 11V = Windows 11 IoT Value 11P = Windows 11 Pro Thinix = Thinix™ 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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