

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

8GB DDR4 RAM

1TB SSD

No WiFi

Without OS

DB9 Serial



SKU: R-I3_12-8-M1024-12_5-X-W_OS-1S

Your Robust Foundation for Customized Performance: The Thinvent® Neo R/4 Mini PC.

Discover the Thinvent® Neo R/4, a powerful and adaptable mini PC engineered for reliability and precision. Designed for scenarios demanding stable wired connectivity and full operating system flexibility, this compact powerhouse delivers exceptional performance without compromise.

Core Performance

- Experience swift multitasking and efficient processing with the Intel® Core™ i3-1215U processor, featuring 6 cores, a max frequency of 4.4 GHz, and a 10 MB cache.
- Enjoy rapid boot times and seamless application loading thanks to 8GB of DDR4 RAM and a responsive 128GB SSD.

Built for Specific Needs

- Embrace unparalleled control with a "Without OS" configuration, empowering you to install the operating system best suited for your specific application, whether it's embedded, industrial, or enterprise.
- Benefit from enhanced security and stability with no integrated WiFi, focusing on robust wired network connections via 1000 Mbps Ethernet.

- Critical for industrial and legacy systems, the dedicated DB9 serial port provides essential connectivity for specialized equipment and automation.

Versatile Connectivity and Durability

- Connect multiple displays with HDMI and VGA outputs.
- Access a range of peripherals through 2x USB 3.2 and 2x USB 2.0 ports.
- Encased in a durable, black powder-coated steel housing, weighing a mere 110 grams, it's built to withstand demanding environments while maintaining a sleek, professional aesthetic.
- Operates reliably across temperatures from 0°C to 40°C and humidity up to 80% RH.

Certifications

- BIS
- RoHS
- ISO

This is a professional and robust solution, ready to power your unique computing requirements.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 12th |
| Series | i3 |
| Processor Brand | Intel |
| Processor Model | 1215U |
| Cores | 6 |
| Max Frequency | 4.4 GHz |
| Cache | 10 MB |
| Main Memory | 8 GB |
| SSD Storage | 1024 GB |

DISPLAY

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

AUDIO

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

CONNECTIVITY

| | |
|--------------|------------------|
| USB 3.2 | 2 |
| USB 2.0 | 2 |
| Serial Port | 1 DB9 male RS232 |
| RS485 Option | 1 |

NETWORKING

| | |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

POWER

| | |
|--------------|--|
| DC Voltage | 12 Volts |
| DC Current | 5 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 | 1.59kg, 2.01kg |

OPERATING SYSTEM

| | |
|------------------|------------|
| Operating System | Without OS |
|------------------|------------|

Ordering Information

| PRODUCT CODE | | | |
|---|---|---------------------|--|
| R-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] | | | |
| RAM | 4 = 4GB DDR4 64 = 64GB DDR4 | 8 = 8GB DDR4 | 16 = 16GB DDR4 32 = 32GB DDR4 |
| SSD | m128 = 128GB m32 = 32GB m1024 = 1TB S128 = 128GB | | m256 = 256GB m512 = 512GB S32 = 32GB MLC S256 = 256GB |
| Wireless | m = Dual Band WiFi | | X = No WiFi |
| OS | DOS = DOS 11V = Windows 11 IoT Value Thinix = Thinix™ 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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