



# Thinvent Neo R/4 Mini PC

## Intel processor J1900

4 core, up to 2.4 GHz, 2 MB cache

## 8GB DDR3 RAM

## 128GB SSD

## No WiFi

## DOS

## DB9 Serial



SKU: R-B-8\_3-S128-19\_7-X-DOS-1S

## Powerfully Compact, Infinitely Capable: The Thinvent® Neo R/4 Mini PC

Unleash robust performance in an incredibly small footprint. The Thinvent® Neo R/4 Mini PC is engineered for efficiency and reliability, making it the ideal solution for a wide range of industrial, commercial, and embedded applications. Its quiet operation and durable steel housing ensure it performs flawlessly in demanding environments.

### Key Features

- Processor Power:
- Experience seamless multitasking with the Intel® J1900 quad-core processor, reaching up to 2.4 GHz with a 2 MB cache for swift data handling.
- Memory and Storage:
- A generous 4GB DDR4 RAM coupled with a fast 128GB SSD provides ample space and speed for your applications and data.
- Versatile Connectivity:
- Equipped with HDMI and VGA outputs for flexible display options.
- Integrated audio with Speaker Out and Mic In.
- Includes 1 USB 3.0 port for high-speed data transfer and 4 USB 2.0 ports for peripherals.
- Essential for legacy systems and industrial automation: 1 DB9 male RS232 serial port.

- Future-proof your network with a 1000 Mbps Ethernet port for reliable, high-speed internet access.
- Robust Design:
- Built with a durable black steel housing with a power coating finish, this Mini PC is designed for longevity.
- Compact dimensions (198mm × 200mm × 73mm) and a featherlight weight (110 grams) allow for easy integration and placement.
- Reliable Operation:
- Runs on FreeDOS, offering a flexible platform for customization.
- Operates efficiently with a 12V 5A adapter, powered by 100~240 Volts AC.
- Designed to perform in temperatures from 0°C to 40°C with 20% to 80% non-condensing humidity.
- Certifications:
- Meets BIS, RoHS, and ISO standards, ensuring quality and compliance.

### Ideal for

- Point-of-Sale Systems
- Digital Signage
- Industrial Control
- Kiosks
- Embedded Solutions





# Thinvent Neo R/4 Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 7th     |
| Series          | Celeron |
| Processor Brand | Intel   |
| Processor Model | J1900   |
| Cores           | 4       |
| Max Frequency   | 2.4 GHz |
| Cache           | 2 MB    |
| Main Memory     | 8 GB    |
| SSD Storage     | 128 GB  |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

|             |                  |
|-------------|------------------|
| USB 3.0     | 1                |
| USB 2.0     | 4                |
| Serial Port | 1 DB9 male RS232 |

### NETWORKING

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

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 19 Volts                                     |
| DC Current   | 7 Amps                                       |
| Power Input  | 100~240 Volts AC, 50~60 Hz, 1.5 Amps maximum |
| Cable Length | 1.5 Metre                                    |

### ENVIRONMENTAL

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | 0°C ~ 40°C                   |
| Operating Humidity    | 20% ~ 80% RH, non condensing |
| Certifications        | BIS, RoHS, ISO               |

### PHYSICAL

|                      |                         |
|----------------------|-------------------------|
| Form Factor          | Mini PC                 |
| Thermal Design       | Fanless Passive Cooling |
| 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 | 1.10kg, 1.52kg          |

### OPERATING SYSTEM

|                  |         |
|------------------|---------|
| Operating System | FreeDOS |
|------------------|---------|

## Ordering Information

## PRODUCT CODE

**R-B-[RAM]-[SSD]-19\_1-X-[OS]-[Accessories]**

|             |                                                                                           |                                                                                    |
|-------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| RAM         | <b>4_3</b> = 4GB DDR3                                                                     | <b>8_3</b> = 8GB DDR3                                                              |
| SSD         | <b>S32</b> = 32GB MLC<br><b>S256</b> = 256GB                                              | <b>S128</b> = 128GB                                                                |
| OS          | <b>DOS</b> = DOS<br><b>11I</b> = Windows 11 IoT<br><b>Thinux</b> = Thinux™ Embedded Linux | <b>W_OS</b> = Without OS<br><b>11P</b> = Windows 11 Pro<br><b>U</b> = Ubuntu Linux |
| Accessories | <b>0</b> = None<br><b>1S</b> = DB9 Serial<br><b>Mo</b> = Wired Optical Scroll Mouse       | <b>KM</b> = Keyboard and Mouse set<br><b>MK</b> = Mechanical Keyboard              |

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