



Thinvent Neo R/4 Mini PC

Intel processor J1900

4 core, up to 2.4 GHz, 2 MB cache

8GB DDR3 RAM

256GB SSD

No WiFi

DOS

DB9 Serial



SKU: R-B-8_3-S256-19_3-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	256 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
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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
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	1.47kg, 1.88kg

OPERATING SYSTEM

Operating System	FreeDOS
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Ordering Information

PRODUCT CODE		
R-B-[RAM]-[SSD]-19_1-X-[OS]-[Accessories]		
RAM	4_3 = 4GB DDR3	8_3 = 8GB DDR3
SSD	S32 = 32GB MLC S256 = 256GB	S128 = 128GB
OS	DOS = DOS 11I = Windows 11 IoT Thinux = Thinux™ 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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