

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

512GB SSD

No WiFi

DOS

DB9 Serial



SKU: R-I7_12L-16-M512-12_7-X-DOS-1S

Unleash robust computing power in a remarkably compact form.

Engineered for demanding environments

The Thinvent® Neo R/4 Mini PC is built to deliver unwavering performance where it matters most. Its industrial-grade steel housing ensures steadfast reliability in settings where standard office computers simply can't cope. Experience the seamless operation required for critical automation and control tasks without the bulk of a traditional tower.

Ideal for industrial applications

This versatile unit is the perfect core for a wide range of specialised systems. Its dual Gigabit LAN ports and legacy serial connection provide essential connectivity for machine interfacing and network management.

- Drive digital signage and kiosks with flawless, 24/7 operation.

- Form the reliable heart of automation panels and PLC systems.
- Manage network appliances and thin client setups with absolute dependability.
- Process data at the edge for IoT gateways with silent, fanless efficiency.

Simplify integration, maximise uptime

Forget about unnecessary extras and software bloat. Supplied with FreeDOS, the Neo R/4 offers a clean, stable foundation, allowing you to install only the dedicated software your project requires. Its compact, VESA-mountable design and wide-range power input make installation and deployment straightforward in virtually any location. Choose the industrial-grade computing solution that focuses purely on performance and resilience.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 12th |
| Series | i7 |
| Processor Brand | Intel |
| Processor Model | 1255U |
| Cores | 10 |
| Max Frequency | 4.7 GHz |
| Cache | 12 MB |
| Main Memory | 16 GB |
| SSD Storage | 512 GB |

DISPLAY

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

AUDIO

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

CONNECTIVITY

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

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 | FreeDOS |
|------------------|---------|

Ordering Information

| PRODUCT CODE | | | |
|--|---|---------------------|--|
| R-i7_12l-[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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