



Thinvent Neo R/4 Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

128GB SSD

Dual Band WiFi

Without OS

DB9 Serial

SKU: R-I7_12L-16-S128-12_7-M-W_OS-1S



Unleash big performance from a remarkably small footprint. The Thinvent Neo R/4 Mini PC is your powerhouse for demanding industrial applications, delivering robust reliability where it matters most.

Engineered for demanding environments

- Conquer complex automation, digital signage, and control tasks with effortless speed and stability.
- Connect directly to legacy machinery and modern networks simultaneously with dual Ethernet and a built-in serial port.
- Install in tight spaces and run quietly 24/7, thanks to a fanless, rugged steel design built for continuous operation.

Your versatile industrial core

- Deploy the exact software you need on a clean slate, free from unnecessary bloatware.
- Enjoy versatile connectivity for a wide range of peripherals and displays in any setting.
- Trust in a unit backed by rigorous certifications, designed for long-term performance in real-world conditions.

The Neo R/4 is the compact, dependable engine for your next industrial solution.



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	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
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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	Without OS
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Ordering Information

PRODUCT CODE

R-i7_12l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM

4 = 4GB DDR4**8** = 8GB DDR4**16** = 16GB DDR4**32** = 32GB DDR4**32_32** = 64GB
DDR4 RAM (2 x
32GB)**16_16** = 32GB
DDR4 RAM (2 x
16GB)**8_8** = 16GB DDR4
RAM (2 x 8GB)

SSD

m128 = 128GB**m512** = 512GB**S32** = 32GB MLC**S256** = 256GB**m256** = 256GB**m1024** = 1TB**S128** = 128GB

Wireless

m = Dual Band WiFi**X** = No WiFi

OS

DOS = DOS**11V** = Windows 11 IoT Value**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 Keyboardwww.thinvent.insales@thinvent.in

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