Thinvent Neo R/4 Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

64GB DDR4 RAM

512GB SSD

No WiFi

Thinux Embedded Linux

Thinvent Keyboard and Mouse set

SKU: R-I7_12L-64-M512-12_7-X-THINUX-KM

Unlock Uncompromising Industrial Performance: The Thinvent Neo R/4 Mini PC.

The ultimate digital engine for demanding industrial applications, built for reliability and seamless integration where it matters most.

Engineered for Reliability

- Unshakeable performance in harsh or space-constrained environments, from factory floors to digital signage installations.
- Purpose-built for 24/7 operation, ensuring your critical processes and displays never miss a beat.
- Rugged, compact steel construction provides robust protection and effortless mounting virtually anywhere.

Streamlined Control and Deployment

- Out-of-the-box readiness with our pre-installed Thinux™ Embedded OS, designed for stability and ease of management.
- Remotely configure, monitor, and troubleshoot your entire fleet of devices from a single, intuitive browser-based dashboard.
- Dual Ethernet ports offer enhanced network flexibility and redundancy for mission-critical connectivity.

Powering Your Digital Vision

- Effortlessly drives complex industrial HMIs, interactive kiosks, and multi-screen digital signage with smooth, responsive visuals.
- A trusted cornerstone for secure, dedicated control systems in automation, manufacturing, and smart building management.
- The complete package includes our reliable keyboard and mouse set, so you can deploy and go live immediately.

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	64 GB
SSD Storage	512 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
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	2.23kg, 2.65kg

ACCESSORIES

Keyboard and Mouse	1

OPERATING SYSTEM

Operating System	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

Thinvent Neo R/4 Mini PC

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
	64 = 64GB DDR4			
SSD	**m128** = 128GB		**m256** = 256GB	
	m32 = 32GB		**m512** = 512GB	
	m1024 = 1TB		**S32** = 32GB MLC	
	S128 = 128GB		**S256** = 256GB	
Wireless	**m** = Dual Band WiFi		**X** = No WiFi	
OS	**DOS** = DOS		**W_OS** = Without OS	
	11V = Windows 11 IoT Value		**11P** = Windows 11 Pro	
	Thinux = Thinux™ Embedded Linux		**U** = Ubuntu Linux	
Accessories	**0** = None		**KM** = Keyboard and Mouse set	
	1S = DB9 Serial		**MK** = Mechanical Keyboard	
	Mo = Wired Optical Scroll Mouse			

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