



Thinvent Aero Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM (2 x 16GB)

1TB SSD

No WiFi

Without OS

Thinvent Keyboard and Mouse set

SKU: AERO-I7_12L-16_16-M1024-12_7-X-W_OS-KM



Unleash Big Performance from a Tiny Footprint.

Introducing the Thinvent® Aero Mini PC: the compact powerhouse engineered to drive your demanding industrial applications without cluttering your workspace. Its robust, fanless design ensures silent, reliable operation in even the most challenging environments.

Engineered for the Real World

This industrial-grade PC thrives where others falter. Its rugged steel chassis and wide operating temperature range make it the perfect fit for deployment on the factory floor, in kiosks, or within digital signage networks, delivering unwavering reliability day in and day out.

A Leap in Processing Power

At its heart lies the formidable Intel® Core™ i7 processor, providing the raw computational muscle to handle complex tasks with ease. Experience smooth, lag-free performance for data processing, machine control, and multi-monitor visualisation, accelerating your operational efficiency.

Built for Seamless Integration

Designed for effortless deployment, it features dual Gigabit LAN ports for robust network connectivity and a wealth of front-facing ports for simple peripheral access. The included keyboard and mouse set gets you up and running immediately. This is a pure, focused computing solution, free from unnecessary bloat, allowing you to install only the specialised software your business requires.

The Aero Mini PC is more than just a computer; it's a dependable partner for your critical operations, delivering professional-grade performance in a remarkably small, tough, and versatile package.



Thinvent Aero 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	32 GB
SSD Storage	1024 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1

CONNECTIVITY

USB 3.2	2
Front USB 2.0	4
Front USB C	1
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 ~ 35°C
Operating Humidity	20% ~ 80% RH, non condensing
Certifications	BIS, RoHS, ISO

PHYSICAL

Form Factor	Mini PC
Dimensions	198mm × 187mm × 40mm
Housing Material	Steel and ABS Plastic
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	2.23kg, 2.23kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	Without OS
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Ordering Information

PRODUCT CODE

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

RAM	4 = 4GB DDR4 32_32 = 64GB DDR4 RAM (2 x 32GB)	8 = 8GB DDR4 16_16 = 32GB DDR4 RAM (2 x 16GB)	16 = 16GB DDR4 8_8 = 16GB DDR4 RAM (2 x 8GB)	32 = 32GB DDR4
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 Thinix = Thinix™ Embedded Linux		W_OS = Without OS 11P = Windows 11 Pro U = Ubuntu Linux	
Accessories	0 = None MK = Mechanical Keyboard		KM = Keyboard and Mouse set Mo = Wired Optical Scroll Mouse	

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