



Thinvent Aero Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM

256GB SSD

Dual Band WiFi

Ubuntu Linux

Thinvent Keyboard and Mouse set

SKU: AERO-I7_12L-32-S256-12_7-M-U-KM



The compact powerhouse for relentless workloads.

Unleash serious performance in the tightest of spaces. The Thinvent Aero Mini PC is engineered to drive your critical applications without compromise, delivering the robust computing muscle your business demands from a remarkably small footprint.

Built for the real world

From the factory floor to the digital signage network, this mini PC is your dependable partner. Its industrial-grade construction shrugs off demanding environments, ensuring continuous operation where it matters most.

Why the Aero Mini PC is your smart choice

- Experience seamless multitasking and rapid data handling, keeping your operations fluid and responsive.

- Connect effortlessly to a vast array of peripherals and networks with its comprehensive suite of ports and dual LAN capability.
- Deploy with confidence thanks to a secure, stable operating system pre-installed and ready for your software.
- Minimise your physical and energy footprint without sacrificing an ounce of the performance you rely on.
- Get started immediately with a complete keyboard and mouse set included in the box.

Engineered for endurance, designed for simplicity. The Thinvent Aero Mini PC is the solid, intelligent foundation for your next project.



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	256 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
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 ~ 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	Ubuntu Linux 24.04 LTS
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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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