



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)

32GB MLC SSD

No WiFi

Ubuntu Linux

SKU: AERO-I7_12L-16_16-S32-12_7-X-U-0



Engineer your operations with serious compact power.

Powerhouse Performance in a Miniature Frame

- Experience desktop-calibre processing power for demanding industrial applications, all from a remarkably small footprint that saves crucial space in control cabinets and on the factory floor.
- Tackle complex computational tasks, data processing, and machine control with seamless efficiency, ensuring your systems run smoothly without interruption.

Built for Demanding Industrial Environments

- Rely on robust, fanless construction designed to withstand vibration, dust, and extended operation in challenging conditions from 0°C to 35°C.

- Enjoy ultimate connectivity flexibility with dual Gigabit Ethernet ports for reliable network integration and a comprehensive array of front-facing USB ports for easy peripheral access.

Simplify Your System with a Ready-to-Run Solution

- Step into productivity immediately with the stable and secure Ubuntu Linux OS pre-installed, offering a powerful and open platform for software development and deployment.
- Deploy with confidence knowing the unit meets rigorous BIS and RoHS certifications, assuring quality and compliance for professional use.

Ideal for rugged digital signage, automation controllers, thin clients, or as a dedicated edge computing node. The Thinvent Aero Mini PC delivers unwavering reliability where it matters most.



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	32 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	1.71kg, 1.71kg

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

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

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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