



Thinvent Aero Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM (2 x 8GB)

256GB SSD

No WiFi

Windows 11 Pro

SKU: AERO-I7_12L-8_8-M256-12_7-X-11P-0



Engineer powerful solutions in a compact, industrial-grade package.

Introducing the Thinvent® Aero Mini PC, the ultimate workhorse for demanding environments. This isn't a desktop computer for the home; it's a robust digital brain built to thrive where reliability is non-negotiable.

Built for the Real World

Forget fragile consumer tech. The Aero is engineered with industrial-grade components in a rugged steel chassis, designed to deliver unwavering performance in challenging conditions. From factory floors to digital signage installations, it provides steadfast computing power without taking up valuable space.

Uncompromising Power for Critical Tasks

Harness serious processing muscle to drive your most important applications. From complex automation systems and machine vision to point-of-sale hubs and network control, the Aero handles intensive workloads with ease. Its dual Gigabit Ethernet ports ensure rock-solid, high-speed network connectivity, making it the perfect core for secure and reliable operations.

Simplify Deployment, Maximise Uptime

Get up and running faster. Its compact, VESA-mountable design allows you to install it virtually anywhere—behind a monitor, under a desk, or on a wall. Coupled with the efficiency of Windows 11 Pro, you benefit from a familiar, professional environment that's ready to support your business from day one. Choose the Thinvent Aero Mini PC, where robust performance meets rugged dependability.



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	16 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

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	Microsoft Windows 11 Pro
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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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