



Thinvent Aero Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

64GB DDR4 RAM (2 x 32GB)

512GB SSD

No WiFi

Windows 11 Pro

SKU: AERO-I7_12L-32_32-M512-12_5-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.



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
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	5 Amps
Power Input	100~240 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	1.62kg, 1.62kg

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	m256 = 256GB	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
	Thinix = Thinix™ Embedded Linux	U = Ubuntu Linux		
Accessories	0 = None	KM = Keyboard and Mouse set	MK = Mechanical Keyboard	Mo = Wired Optical Scroll Mouse

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing
 #11 Sports Complex
 Salvador Do Mundo
 North Goa - 403101, India

Sales
 UGF-10-A Omaxe Gurgaon Mall
 Sector 49, Sohna Road
 Gurgaon - 122018, India

