



Thinvent Aero Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM

128GB SSD

No WiFi

Thinux Embedded Linux

SKU: AERO-I7_12L-32-M128-12_7-X-THINUX-0



Unleash potent computing power in a palm-sized package.

Engineered for Endurance

Built to thrive where other computers falter, the Thinvent Aero Mini PC is your steadfast partner for demanding industrial environments. Its robust, fanless steel housing ensures silent, reliable operation free from dust and debris, delivering unwavering performance shift after shift.

Power Where It Counts

Harness the advanced processing muscle of an Intel Core i7 to tackle complex tasks with ease. From driving sophisticated digital signage and interactive kiosks to managing automation protocols and running multiple location-based applications, it delivers smooth, responsive operation that keeps your operations flowing.

Simplified Control and Connectivity

Take complete command with our dedicated Thinux Embedded Linux OS. It offers streamlined, browser-based remote management for effortless deployment and monitoring from anywhere.

- Deploy and update software across your network without physical access.
- Establish secure, reliable connections with dual Gigabit Ethernet ports for critical network redundancy.
- Connect to a full suite of peripherals with abundant front-panel USB ports.

Choose the Thinvent Aero Mini PC for a robust, powerful, and effortlessly manageable computing solution that simply gets the job done, day in and day out.



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	128 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	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

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 64 = 64GB DDR4
SSD	m128 = 128GB m256 = 256GB m32 = 32GB 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

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