Thinvent Aero Mini PC

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

16GB DDR5 RAM

128GB SSD

No WiFi

Windows 11 Pro

SKU: AERO-CU5_14L-16_5-M128-12_7-X-11P-0



Unleash robust computing in a compact footprint. The Thinvent Aero Mini PC is engineered for reliability and performance in demanding industrial environments, from the factory floor to the digital signage network.

Built for demanding environments

- Engineered for 24/7 operation in spaces where reliability is non-negotiable.
- Its rugged steel housing and fanless design ensure silent, durable performance free from dust and failure.
- Operates flawlessly in varied temperatures, making it ideal for automation and control cabinets.

Power where you need it

- Tackle complex industrial software and multi-tasking with smooth, responsive processing power.
- Dual Gigabit Ethernet ports provide critical network redundancy and fast, stable data transfer for machine communication.
- Ample front-panel connectivity allows for easy access to peripherals like barcode scanners, HMIs, and legacy devices.

Simplify deployment and management

- Its compact size saves crucial space in control panels and kiosks, simplifying installation.
- Pre-installed Windows 11 Pro offers enhanced security features and seamless integration into your existing business infrastructure.
- A trusted, certified solution designed for long-term value and minimal downtime in your operational technology stack.









Thinvent Aero Mini PC

Specifications

PROCESSING

Generation	14th
Series	Ultra 5
Processor Brand	Intel
Processor Model	125U
Cores	12
Max Frequency	4.3 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	128 GB

DISPLAY

HDMI 2.0	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	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

Thinvent Aero Mini PC

Ordering Information

PRODUCT CODE

`Aero-cu5_14l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]`

RAM	**8_5** = 8GB DDR5	**16_5** = 16GB DDR5	**32_5** = 32GB DDR5	**32_32_5** = 64GB DDR5 RAM (2 x 32GB)
	16_16_5 = 32GB DDR5 RAM (2 x 16GB)	**8_8_5** = 16GB DDR5 RAM (2 x 8GB)		
SSD	**m128** = 128GB		**m256** = 256GB	
	m512 = 512GB		**m1024** = 1TB	
	m2048 = 2TB		**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	
	11O = Windows 11 Professional		**Thinux** = Thinux™ 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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