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)

128GB SSD

Dual Band WiFi

Without OS

SKU: AERO-I7_12L-16_16-M128-12_5-M-W_OS-0

Engineer the Edge in Compact Power: The Thinvent Aero Mini PC.

Ready for Any Mission

This industrial-grade Mini PC is engineered for relentless performance in demanding environments. Its robust build and intelligent design tackle the toughest operational challenges, delivering unwavering reliability where it matters most.

Why This Mini PC is Your Operational Advantage

- Uncompromising power in a compact, rugged form factor, built to endure the rigours of industrial settings.
- Dual Gigabit LAN ports ensure rock-solid, high-speed network connectivity for critical data transfer and control.
- Versatile connectivity options allow seamless integration with a vast array of legacy and modern peripherals and displays.
- Operates reliably in a wide range of temperatures and conditions, providing consistent performance day in, day out.
- A certified, fanless design minimises dust intrusion and eliminates mechanical failure points for ultimate dependability.

Ideal for Demanding Applications

Deploy the Aero Mini PC as the silent, powerful heart of your digital signage, factory automation, thin client, or surveillance systems. It's the robust, scalable computing solution that just works, empowering your operations without compromise.

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	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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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	Without OS

Thinvent Aero Mini PC

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	
	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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