



Thinvent Aero Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

16GB DDR4 RAM (2 x 8GB)

128GB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: AERO-I3_13-8_8-M128-12_5-M-11V-0



Unleash Big Performance in a Tiny Footprint.

Overview

Experience the perfect blend of power, reliability, and compact design with the Thinvent® Aero Mini PC.

Unrivalled Performance

Engineered for efficiency, its Intel® Core™ i3-1315U processor boasts 6 cores with speeds up to 4.5 GHz and a 10 MB cache, delivering lightning-fast responsiveness for demanding tasks and seamless multitasking. Coupled with 4GB DDR4 RAM and a rapid 32GB MLC SSD, expect instant boot-ups and swift application loading, ensuring peak productivity.

Extensive Connectivity

Connect with confidence through a comprehensive suite of ports. Enjoy versatile display options with 1 HDMI and 1 VGA. Audio is covered with 1 Speaker Out, 1 Mic In, plus convenient front audio ports. Expand your peripherals with 2 USB 3.2, 2 USB 2.0, 4 front USB 2.0, and a modern front USB C port. Stay connected with a blazing 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac) for robust wireless performance.

Robust Design & Reliability

Designed for diverse environments, the Aero Mini PC operates reliably from 0°C to 35°C and 20% to 80% RH non-condensing, with a robust steel and ABS plastic housing featuring a powder-coated black finish. Measuring just 198mm x 187mm x 40mm, it fits anywhere, while BIS, RoHS, and ISO certifications guarantee quality. Powering it is an energy-efficient 12V 7A adapter with wide 100~275V AC input and a 2-metre cable.

Optimized Operating System

Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, this Mini PC offers a secure, stable, and optimized platform for embedded and commercial applications, providing long-term support and reliability.



Specifications

PROCESSING

Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 GHz
Cache	10 MB
Main Memory	16 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
USB 2.0	2
Front USB 2.0	4
Front USB C	1

NETWORKING

Ethernet	1000 Mbps
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	1.52kg, 1.52kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

Aero-i3_13-[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

