

AIO-U SERIES · 2026**PRODUCT SPECIFICATION****All-in-one desktop computer****All in One, All You Need**

Model No.: AIO-U Series**Size: 23.8 Inch****1. Introduction:**

The AIO-U series is a 23.8-inch commercial all-in-one desktop computer designed for office, meeting, and industrial terminal scenarios. The product integrates the host, display, and expansion interfaces into a single unit, featuring a triple slim bezel full-screen design with an 89% screen-to-body ratio, a 178° viewing angle, and a 3000:1 high contrast panel, delivering an expansive and clear visual experience within limited desktop space.

2. Main Features

- Three micro border full screen display: 89% screen to body ratio, 178 ° wide viewing angle, 3000:1 high contrast ratio, 23.8 inch FHD large screen brings a wide range of office and conference views.
- Strong and stable performance: 12th generation Intel Core i5 processor, dual channel DDR4 up to 64GB, M.2 PCIe 3.0 × 4 SSD high-speed storage.
- Rich Expansion Interface: HDMI 2.0 supports 4K/60Hz external output, 4 × USB 3.2 Gen1, Gigabit Ethernet port, and optional COM/VGA, meeting the needs of industry terminal expansion.
- Wide temperature and efficient heat dissipation: Aluminum heat sink paired with 7015 fan, running in a wide temperature range of 0-45 °C, stable and reliable for long-term office and industrial scenarios.



3. Product parameter

Parameter	Specification
Model	AIO-U Series · 23.8 inches
Screen resolution	1920×1080 @75Hz
Screen-to-body ratio	89%
Viewing angle	H/V 178° / 178°
Brightness	250 cd/m ²
Contrast	3000:1
Screen ratio	16:9
Display color	16.7M colors
Body color	White/Black
Panel interface	Front USB3.0 ×2
Button	Power button x 1, reset button x 1
Motherboard size	Intel Thin Mini ITX 17cm × 17cm
Motherboard model	Intel Alder / Raptor Lake-H45
CPU	i5 12th
Graphics card	Intel® UHD Graphics
Memory	2×SO-DIMM DDR4, highest 64GB, dual-channel 3200MHz

Parameter	Specification
Storage	M.2 (2280) PCIe3.0 ×4 / SATA3.0 SSD
Operating System	Windows / Linux
LAN	Realtek RTL8111H Gigabit Ethernet
Audio	1× MIC-IN、 1× AUDIO-OUT

4. Interface definition

Interface Category	Interface Details
Internal I/O	M.2: 1×M.2(2280) SSD、 1×M.2(2230) WIFI/BT
	USB: 4×USB2.0 2 groups 9pin、 1×USB2.0 4pin
	LVDS: 1×LVDS 30pin、 1×INVENTER 8pin、 1×LCD_VDD_SEL 6pin、 1×INV_VOT_SEL 4pin
	COM: 1×COM 9pin
	Audio: 1×Speaker 4pin、 1×F_Audio 9pin
	SATA: 1×SATA HDD/SSD、 1×HDD_PWR 4pin
	CLR_CMOS: 1×3pin
	Other: 1×MON_SW 5pin、 Mute/Screen Off/Volume Adjustment、 1×SYS_FAN 4pin
Backplane Interface	1×DC-IN 19V
	1×HDMI2.0 (4K/60Hz)
	1×COM / VGA (Select either one)
	1×RJ45 (1000M)
	4×USB3.2 Gen1 (5Gbps)
	1×AUDIO IN、 1×AUDIO OUT

5. Environment and storage conditions

Project	Specification
working environment	0℃ ~ 45℃ @ 0.7m/s Airflow volume
Operating Humidity	95% @40℃ (No condensation)
Storage temperature	-20℃ ~ +60℃
Storage humidity	5% ~ 90%(No condensation)

Project	Specification
Heat sink+fan	Aluminum heat sink+7015 fan
built-in speaker	4Ω, 3W ×2
Constant current board	260MA
Double eight screen cable	LVDS Equipped with ground wire harness
Shield can	23.86.2×203.7×0.7mm galvanized sheet
Packaging dimension	72×20.5×55.5cm

6、Precautions

- Please read the instruction manual carefully before use to avoid damage caused by misoperation.
- Please place the all-in-one machine in an environment with $0\text{ }^{\circ}\text{C} \leq \text{working environment} \leq 40\text{ }^{\circ}\text{C}$, $\leq 85\% \text{ RH}$, to avoid damage caused by overcooling, overheating, or humidity.
- Please confirm that the all-in-one machine is placed in a suitable location; If wall hanging or hoisting is required, please install under the guidance of professional personnel.
- Avoid direct exposure of the all-in-one machine to sunlight and other heat sources.
- Please do not put any objects into the all-in-one machine to avoid blocking the heat dissipation vents.
- Please do not hang items on the power cord, and do not wrap or knot the power cord.
- Please do not overload the external socket on the wall to avoid fire or electric shock.
- Please use a dry and soft cloth (free of volatile substances) to wipe the all-in-one machine.
- Please unplug the power plug during thunderstorm weather (especially lightning).
- If the all-in-one machine malfunctions, please do not repair it yourself, please contact professional maintenance personnel.
- The all-in-one machine should not come into contact with water droplets or splashes. Do not place vases or other liquid containing items on the equipment.
- If you do not use this product for a long time, please unplug the power plug.

Note: The images in this article are for reference only, and some details will be adjusted according to the actual situation.