

Fan Cooled Mini Box Pc

Slim Design • Reliable Performance • Industrial Grade



Main Features

- Intel® Alder Lake-P Core™ i3 / i5 / i7 Processor Support
- Fan Cooling Design for Stable High-Performance Operation
- Dual Channel DDR4 SO-DIMM Memory up to 32GB
- Triple Display Support: HDMI + VGA + LVDS/eDP
- Dual Gigabit Ethernet LAN Ports
- Multiple Expansion Interfaces including M.2 SSD / Wi-Fi / 4G / 5G
- 6 x COM Ports with RS232 / RS422 / RS485 Support

Product Overview

The Fan Cooled Mini Box PC is a high-performance industrial computing solution powered by Intel® Alder Lake-P platform processors. Designed for demanding commercial and industrial environments, it delivers reliable 24/7 operation, powerful graphics capability, flexible expansion interfaces, and fast data transmission performance in a compact form factor.

With support for Intel® Core™ i3 / i5 / i7 processors, dual-channel DDR4 memory, dual Gigabit LAN, multiple COM ports, M.2 expansion slots, and rich display connectivity, the system is ideal for industrial automation, digital signage, smart transportation, security systems, factory control, and edge computing applications.

Key Benefits

- Suitable for long-term, professional operation.
- Space-saving mini box form factor with efficient cooling and low power consumption.
- Supports NVMe SSD, Wi-Fi, 4G/5G modules, TPM, and GPIO extensions for customized applications.
- Equipped with dual LAN, multiple USB ports, serial communication ports, audio, GPIO, and M.2 expansion interfaces.



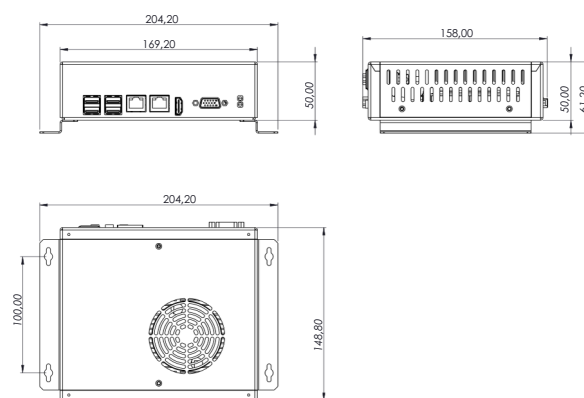
Technical Highlights

Subject to change without notice

Basic Information	CPU	: Intel® Alder Lake-P Core Series Processors
	TDP	: 15W-64W
	Chipset	: Intel® Alder Lake-P
	Memory	: 2 x SO-DIMM DDR4 Slot Support up to 32GB DDR4 2133/2666/3200MHz
	OS	: Windows 11/Linux
	Audio	: Realtek ALC662 Codec
	Network	: Intel® i219LM/V + i211AT Gigabit LAN
	Video	: Intel® Xe Graphics
Wi-Fi	Module	: 1 x M.2 WIFI (E-Key 2230 PCIe x1) 1 x M.2 4G/5G (B-Key 3042/3052)
Power and Working Environment	Input	: 100-240V AC/50-60Hz
	Output	: DC +9V~+36V, recommend 12V/5A
Input/output port	Switch	: 1 x Power On/Off Switch
	Button	: 1 x Reset
	USB	: 4 x USB 2.0 / 3.0
	Display	: 1 x HDMI, 1 x VGA, 1 x LVDS/eDP
	LAN	: 2 x RJ45 Gigabit LAN
	COM	: 6 x COM (4 x RS232 + 2 x RS232/422/485)
	GPIO	: 8 x GPIO
	Audio	: MIC-in / Line-in / Line-out
	SIM	: 1 x SIM Expansion
	Others	: 1 x TPM Expansion
Storage	SATA	: 1 x SATA3.0 1 x M.2 SSD (M-Key 2280 NVME or NGFF)

Designed for Industrial Integration

Fan Cooled Mini Box PC combines high-performance computing, reliable thermal architecture, and rich industrial I/O connectivity in a compact and durable design.



Typical Applications



Vending Machines



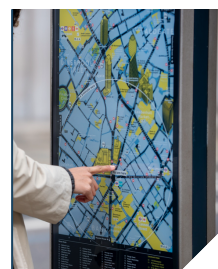
Self-Service Kiosks



Industrial HMI systems



Access Control Systems



Digital Signage



Factory Automation Solutions

