CF-E60C

Multi-function Fanless Industrial PC

CF-E60C is an AI fanless industrial PC based on Intel® 14th Core™ Ultra 5/7 U series processor. The whole chassis is made of aluminum alloy + sheet metal, small size and compact structure, high modularity, fully sealed and fanless design, the shell also serves as a heat sink, with excellent sealing and dustproof performance, heat dissipation and vibration resistance. It can meet the pollution, dust, electromagnetic interference, vibration and other severe fields.

CF-E60C adopts standard and modular design, which can be matched with P/W series display modules of different sizes to quickly derive P/W series panel PC. The whole PC supports AI 32TOPS, and its software level can support OpenVINO and ECI tool kit. Physical interface supports multiple types of M.2 slots, DDR5 memory slots, full-featured, rich interfaces, environmentally adaptable. It can be widely used in express-way lane control, mechanical inspection equipment, intelligent transportation, industrial automation control, machine vision, logistics sorting and other various embedded applications.

appearance

I/O Interfaces

Note: For different ordering configurations, the front and rear IO interfaces are different, please prevail in kind, above appearance picture is for reference only.

Features:

➢ **Intel® 14th Core™ Ultra 5/7 U-Series processor**

➢ **2 x HDMI, 1 x DP, 1 x eDP (built-in) with 8K support for the ultimate visual experience**

➢ **Equipped with the latest DDR5 memory up to 5600MHz and up to 96GB**

➢ **Equipped with 8 x USB, speed rate up to 10Gbps for efficiency**

➢ **Up to 6 x LAN, supporting up to 2.5G**

➢ **Support M.2, MiniPCIe, which can be expanded 5G, 4G, WIFI, Bluetooth**

➢ **Rich I/O interface can be dynamically replaced (LAN, COM, USB, CAN, GPIO)**

➢ **Support ECI, OpenVINO kit, focusing on machine vision, precision control, AI reasoning**

Specifications

System Configurations	Processor	14th Core™ Ultra 5/7 Useries processor BGA2049 pins
	Memory	2 x DDR5-5600 SODIMM, dual-channel, whole memory support up to 96GB
I/O Interface	LAN	Basic version: 1 x Gigabit LAN, 1 x 2.5G LAN, LAN1 supports Wake-on-LAN, LAN port supports PXE function; Upgrade version: 2~4 x 2.5G LAN can be added
	Display	2 x HDMI 2.0, 1 x DP1.4, optional eDP(built-in), supports simultaneous quad-display.
	USB	2 x USB3.2 gen2 (10Gbps), 2 x USB3.2 gen1 (5Gbps) 4 x USB2.0

	COM	Basic version: 4 x COM, support RS232/422/485 adjustable Upgrade version: 2 x additional COM are optional, support RS232/422/485 adjustable
	GPIO	Upgrade version: 1 x 16-channel GPIO optional
	Audio	1 group of AUDIO port(MIC/LINE OUT)
	DI/DO	Upgrade version: optional 1 x 32-channel DI/DO, 24V drive (16 in and 16 out with isolation)
	CAN	Upgrade version: optional 2 x CAN ports(250kbps~1Mbps)
Expansion Bus	**Integrated onboard**	1 x M.2 Key B (SATA and USB3.0 signal, expand 4/5G and storage, size 2242/3052, SATA signal and 2.5" SATA 1 HDD by optional) 1 x M.2 Key M (NVME PCIE3.0 X4 signal, expand storage, size 2242/2280) 1 x M.2 Key E (PCIE3.0 X1 with USB2.0 signal, expand WiFi, BT, size 2230) 1 x Mini PCIe (PCIE3.0 X1 with USB2.0 signal) 1 x SIM card slot
Storage	**Hard Disk**	Supports 2 x SATA interfaces, optional 2 x 2.5" SSD bays or 1 x HDD bay
	M.2	Supports 1 x 2242/2280 M.2 Key M (supports NVME SSD) Supports 1 x 2242/3052 M.2 Key B (supports SATA, 2.5" SATA1 HDD by optional)

Operating Temperature	HDD	SSD/electronic disk	Wide Temperature SSD/Electronic Disk
	0℃～+40℃	-10℃～+50℃	-20℃～+60℃
	Note: The air flow speed between the cooling fins of the main chassis in the working environment of the whole machine is not less than 0.7m/s.		

Storage Temperature	-40℃～+85℃, +40℃(95)%RH
Installation method	Wallmount, desktop, Vesa
Dimensions(W x H x D)	240*200*89mm (without mounting bracket)
Power Supply	Power supply through 12V power adapter, AC 220V input, single voltage DC output, Supports DC 12V single power supply Optional wide voltage input DC 9V-36V
OS	Supports Windows 10 (Windows 10(21H2) and later required), WIN11(22H2), high kernel version LINUX (kernel version 6.6 and above required)

Dimensions: