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USR-EC500

X86 Industrial Computer

IoT Controller

All- New Featured Industrial Computer Series

X86 Architecture；Intel Core；2-core 4-thread i5 CPU；2.5GHz main frequency；

Rich Interfaces；All-aluminum Casing；Anti-corrosion & Anti-vibration；7*24H Operation.







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Product Features

- Intel® Core™ i5-7200U, with a base frequency of 2.5GHz, a single-core turbo frequency of 3.1GHz, and a 2-core 4-thread CPU.
- 8G DDR4 +128G storage, flexible selection of different capacity configuration;
- 5*Gigabit RJ45，4*RS232/RS485 + 4*RS232，4*USB 3.0+6*USB 2.0；
- HDMI+VGA，4K HD Display，support synchronous/asynchronous dual-screen display content;
- Multi - system Compatibility (Windows / Linux / Ubuntu)； //Note:Windows system is standard configuration;
- Full aluminum alloy , fanless cooling;

Product Parameter

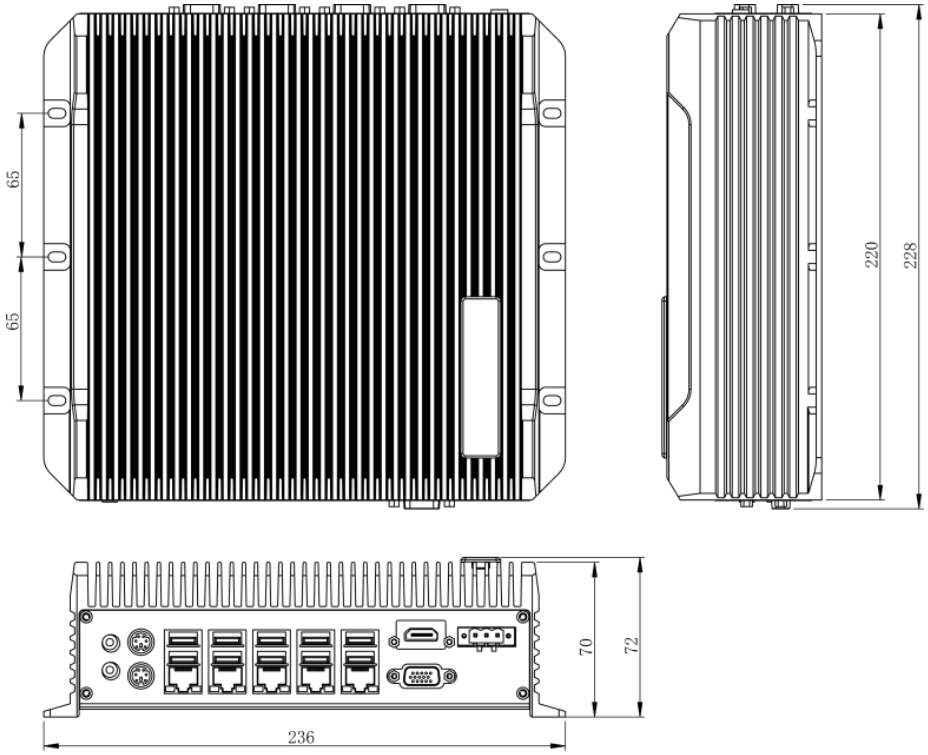
Model	USR-EC500	
Processor	CPU	Intel® Core™ i5-7200U (2.5 GHz, up to 3.1 GHz, 2 cores, 4 threads)
	BIOS	AMI UEFI 64M bit
Memory	Architecture	DDR4 1*SO-DIMM
	Memory	8GB (Single SO-DIMM Slot, maximum support 32GB)
Storage	Storage	128G
	Interface	MiniPcie
Display	HDMI	1*HDMI,max resolution up to 4096*2160； 60Hz
	DP	None
	VGA	1*VGA,max resolution up to 1920*1200； 60Hz
	Dual display	Supports synchronous/asynchronous display
Ethernet	LAN	5*RJ45，Intel I210，10/100/1000Mbps
Audio	Interface	1*Line-out 1*Mic-in
I/O	Serial	4*RS232/RS485 + 4*RS232
	USB	4*USB 3.0，6*USB 2.0
	Watch Dog	255-level programmable settings
Expansion slot	SSD	1*MSATA 1*2.5HDD/SSD
	MiniPCIe	2*MiniPCIe
Operating system	Operating System	Windows 10/11（Linux optional）
Power	Input Voltage	DC 12V-36V
	Minimum Input Power	12V/7A
	Power Adapter	Optional
Power consumption	No-load	15W
	Full-load	Depends on CPU, total power not exceeding 100W
Mechanical parameters	Enclosure	Full aluminum enclosure
	Installation mode	Desktop mounting, embedded mounting
	Dimensions	236mm*228mm*72mm
	Weight	2.5kg
Enviromental parameter	Operating temperature	-20~60℃(with wide-temperature SSD)
	Storage temperature	-40℃~85℃
	Relative humidity	5~95%(non-condensing)
	Vibration during operation	SSD:5~500Hz, 2Grms operation
	Shock during operation	Operation:10G@11MS Non-operation:30G@11ms
	ESD	Contact 6KV, Air 8KV

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Optional configuration

Accessory Name	Configuration
Memory	Supports DDR4, with a single SO-DIMM slot, and a maximum capacity of 32GB.
Storage	Supports 2.5-inch and mSATA hard drives.
CPU	Support for low-power processors of Intel® Core™ i3/i5/i7 (6th, 7th, 8th generations) Intel® Core™ i3-6157U (2.4 GHz) Intel® Core™ i5-7200U (2.5 GHz, up to 3.1 GHz) Intel® Core™ i5-7267U (3.1 GHz, up to 3.5 GHz) Intel® Core™ i7-7500U (2.7 GHz, up to 3.5 GHz)

Product Dimensions



Product Interfaces



