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USR-EC300

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.







Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

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;
- 2*Gigabit RJ45,2*RS232/RS485+4*RS232，6*USB 3.0/2*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

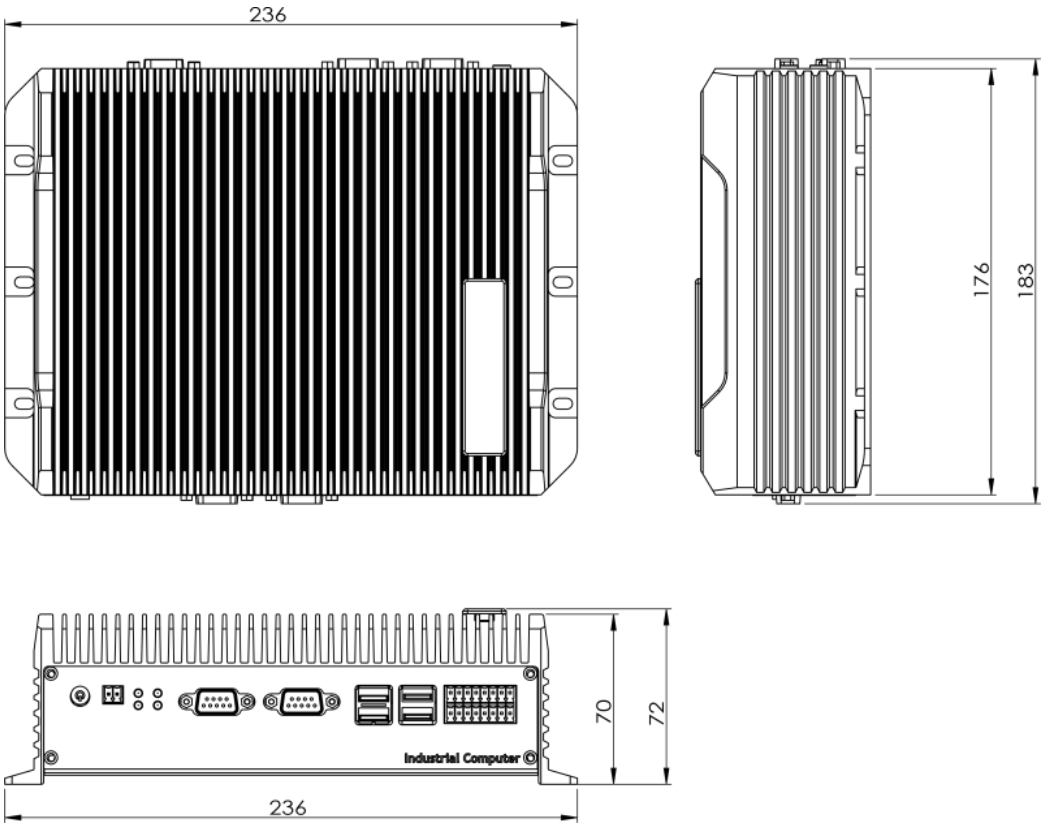
Model	USR-EC300	
Processor	CPU	Intel® Core™ i5-7200U (2.5 GHz, up to 3.1 GHz, 2 cores, 4 threads)
	BIOS	AMI UEFI 64M bit
Memory	Architecture	DDR4 1*SO-DIMM
	Memory	8GB (Single SO-DIMM Slot, maximum support 32GB)
Storage	Storage	128G
	Interface	MiniPcie
Display	HDMI	1xHDMI,max resolution up to 4096*2160 60Hz
	DP	None
	VGA	1*VGA,max resolution up to 1920*1200 60Hz
	Dual display	Supports synchronous/asynchronous display
Ethernet	LAN	2*RJ45, Intel，10/100/1000Mbps
Audio	Interface	1*Line-out 1*Mic-in
I/O	Serial	2*RS232/RS485+4*RS232 (DB9)
	USB	6*USB 3.0，2*USB 2.0
	WatchDog	255-level programmable settings
	GPIO	GPIO: 14 channels
Expansion slot	SSD	1*MSATA 1*2.5HDD/SSD
Operating system	Operating System	Windows（Linux optional）
Power	Input Voltage	DC 12V-36V
	Minimum Input Power	12V/5A
	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*183mm*72mm
	Weight	2kg
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 16GB.
Storage	Supports 2.5-inch and mSATA hard drives.
CPU	Supported Intel Core series: Intel 6th/7th/8th/9th/10th Generation Core i3/i5/i7 Intel® Core™ i3-7100U (2.4 GHz, 2 cores, 4 threads) Intel® Core™ i5-7200U (2.5 GHz, up to 3.1 GHz, 2 cores, 4 threads) Intel® Core™ i5-7267U (3.1 GHz, up to 3.5 GHz, 2 cores, 4 threads) Intel® Core™ i7-7500U (2.7 GHz, up to 3.5 GHz, 2 cores, 4 threads) Intel® Core™ i5-8260U (1.6 GHz, up to 3.4 GHz, 4 cores, 8 threads) Intel® Core™ i3-10110U (2.1 GHz, up to 4.1 GHz, 2 cores, 4 threads) Intel® Core™ i5-10210U (1.6 GHz, up to 4.2 GHz, 4 cores, 8 threads) Intel® Core™ i7-10610U (1.8 GHz, up to 4.9 GHz, 4 cores, 8 threads) Intel® Core™ i7-10710U (1.8 GHz, up to 4.9 GHz, 4 cores, 8 threads)

Product Dimensions



Product Interfaces



