

ABOX-U231C

2U Rack-mount Industrial Computer

Intel 6th/7th/8th/9th Core i7/i5/i3, Pentium, Celeron desktop processors

Specification

V1.0

Key features:

- Support Intel® 6th/7th/8th/9th Core™ i7/i5/i3, Pentium, Celeron Desktop multicore processors;
- Intel H310C industrial chipset, TDP=6W;
- 2* DDR4 U-DIMM, support 2666 MHz, Max. up to 64GB;
- 3* SATA 3.0 and 1* M.2 Key-M SATA Storage slot;
- 2* GLAN, 4* USB3.2, 4* USB2.0, 6* COM, PS/2, 1* HDMI, 1* DVI;
- Max. support 7 slots expansion to meet different applications.

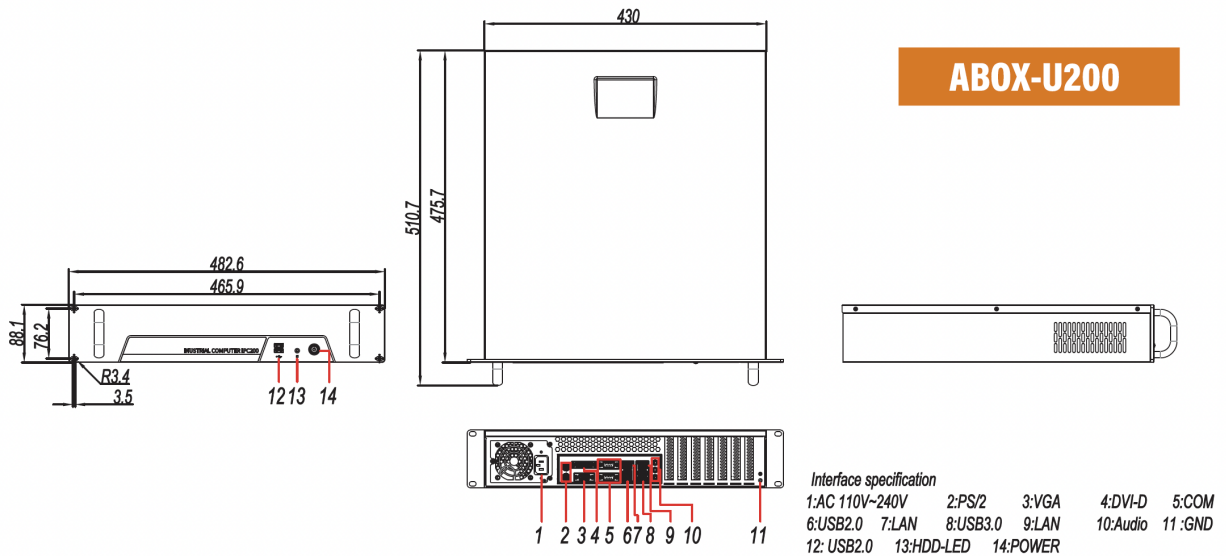
Product Image



Technical Data

System	
CPU	Intel® 6 th /7 th /8 th /9 th Core™ i3/i5/i7, Pentium, Celeron Desktop LGA1151 CPUs, Max. TDP=95W
Chipset	Intel® H310C Chipset, TDP=6W
Memory	2 x DDR4 U-DIMM, support 2666 MHz, Dual channels, Max. up to 64GB
Storage	3 x 2.5" SATA3.0, 1x M.2 Key-M (SATA SSD, 2242/2280)
Display	1 x HDMI (Max. support resolution: 4096x2160, @ 30Hz) 1 x DVI-D (Max. support resolution: 1920x1200, @60Hz)
Network	2 x Intel® Ethernet Connection; 1* I219, 1* I210
Wireless	1 x Mini-PCIE (Optional support 3G/4G/LTE, Wi-Fi/BT expansion)
Audio	1 x Mic-in + 1 x Line-out (Realtek ALC 662)
USB	4 x USB 2.0 (Type-A), 4x USB3.2 (Type-A)
PS/2	1x PS/2
COM	2 x RS232/RS485/RS422 (COM1/COM2, DB9), 4x RS232 (COM3/4/5/6, jumper)
GPIO	Optional 16x GPIO
Expansion	1x PCIe 3.0 x16 slot 1x PCIe 2.0 x4 slot (Gen2 x4) 5x PCI slots (32-bit / 33 Mhz) 1x Mini-PCIE
AI Computing	Max. support NVIDIA GeForce GTX3090 (PCIe 16x)
Power	2U standard PSU
LED/Switch	1 x power button (including status LED light)
Watchdog	Programmable 255 seconds
OS	6 th /7 th Core™: Windows 7/10/11, Linux 8 th /9 th Core™: Windows 10/11, Linux
RAID	0, 1,5
Structure	
Material	SGCC
Treatment	Hard anodizing treatment
Color	Iron grey
Cooling	PWM intelligent fan
Weight	11kg (Net weight)
Dimension	482.6mm x 88.1mm x 475.7mm
Mounting	Rack mount
Environmental	
Operation temp.	Operating temp.: 0~50°C
Storage temp.	Storage temp.: -20~+75°C
Humidity	10%~90%@40°C (non-condensation)
Vibration	SSD : 3Grms@5~500Hz , random , 1 hr/axis ;
Shock	10G/peak (11ms sec)

Dimension & Interface



Ordering Information

ABOX-U231C-xxxx	Intel LGA1151 xxxx Desktop CPUs, Intel H310C Chipset, 1*DVI-D, 1*HDMI, 2*RJ45, 4*USB3.2, 4*USB2.0, 2*COM, 1* P/S 2, 2U PSU
Memory	DDR4 4G/8G/16G/32G/64GB
Storage	SSD: 32GB/64GB/128GB/256GB/512GB/1TB HDD: 500GB/1TB/2TB/4TB

Note: xxxx refer to 6th /7th /8th /9th Desktop CPUs Code



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