

ABOX-E900

High performance industrial fanless box computer

Intel 6th/7th/8th Celeron, Core i3/i5 processors, with PCIe/PCI expansion

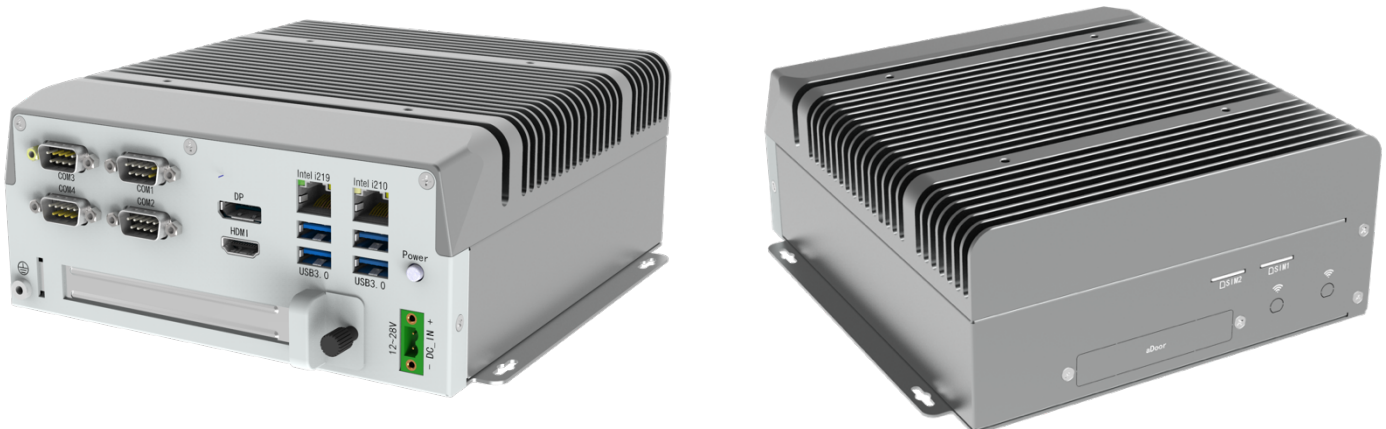
Specification

V2.0

Key features:

- Intel® 6th/7th/8th Skylake/Kaby lake/Whiskey Lake Celeron, Core i3/i5/i7 low power processors;
- 1* DDR4 SO-DIMM, max. up to 16GB, 1* mSATA slot storage;
- 2* Intel GLAN, 4* USB3.0 ports, 4* RS232;
- 2* Display ports: 1* HDMI, 1* DP;
- 1* PCIe4 expansion slot or 1* PCI card expansion slot;
- DC 12~28v wide voltage power input;
- Rugged and compact, Fanless design.

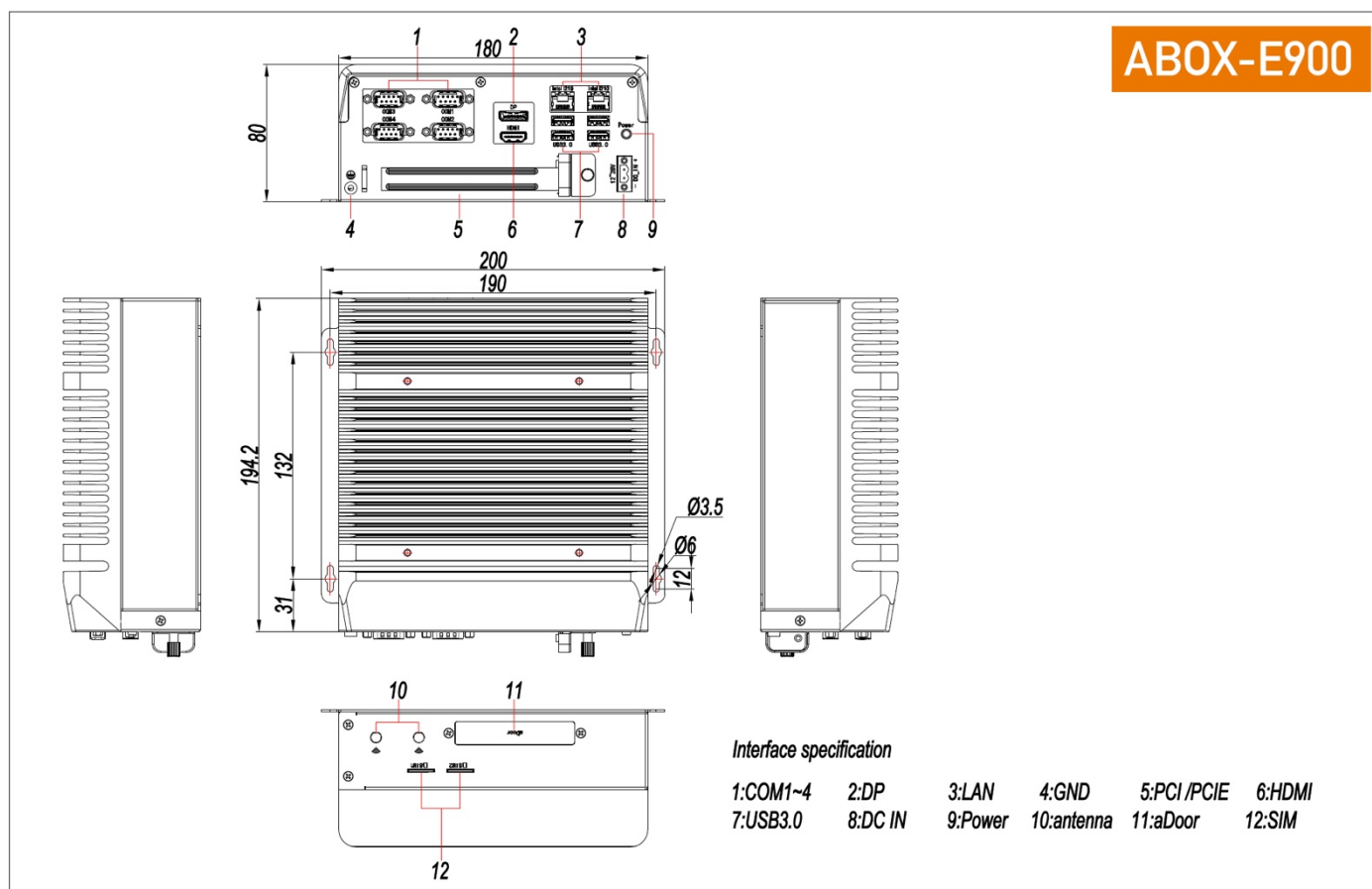
Product Image



Technical Data

System	
Processor	Intel® 6 th /7 th /8 th Core™ Celeron /i3/i5/i7 CPU, TDP=15W (fan-less) 14nm SoC AMI EFI BIOS, support ACPI, CPU temperature, system voltage monitoring
Memory	1 x DDR4 SO-DIMM Max. single RAM up to 16G
Storage	1 x M.2 (2242, SATA)
Display	CPU integrated Intel® HD Graphics 1 x DP (Max. resolution: 4096x2304 x24bpp, @ 60Hz), 1 x HDMI (Max. resolution: 4096x2304, @ 24Hz)
Network	2 x Intel® Ethernet Connection; LAN1: I211-AT, LAN2: I219LM, support WOL and jumbo frame 1x Mini-PCIE (full-size, Wi-Fi/BT, optional), 1x Mini-PCie (full, support 3G/4G, optional)
I/O	4x USB3.0 4 x DB9 (COM1/2 support RS485/RS232)
Expansion I/O	1* Standard aDoor expansion modules (Optional) 16* GPIO (Optional) 1* PCIe x4, 1* PCI (only support one), full height/half-length, length < 167.65mm
Power	DC 1 x 2pin 5.08 phoenix terminal, with hole lock Default 12~28V wide voltage power input (Default with 12V adapter)
LED/Switch	1 x power on button (including status LED light) 1 x reset/restart button (Long press ≥3s when power of, clear CMOS; press 0.2~1s reset when power on)
Watchdog	Programmable 255 seconds
OS	Windows 7/8.1/10, Linux
Structure	
Treatment	Anodize and spraying process
Color	Iron grey color
Cooling	Fan-less design
Weight	About 2.8 kg (Net)
Dimension	200mm(L) x 194.2mm(W) x 80mm(H)
Mounting	Desktop, wall mount, VESA mount
Environmental	
Operation temp.	Operating temp.: -20°C ~60°C (Industrial SSD)
Storage temp.	Storage temp.: -40°C ~80°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

Part no.	Description
ABOX-E900-xxxx	Intel 6 th /7 th /8 th processors, 2*GLAN, 4*USB3.0, 4*COM, 1*HDMI, 1*DP, DC 12~28V, PSU
Memory	DDR4: 4G/8G/16G
Storage	SSD: 32GB/64GB/128GB/256GB/512GB/1TB
Wireless expansion	Wifi: 802.11b/g/n Mini PCIe 150M 3G/4G: All network 4G module

XXXX: means CPU code

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Industrial Computers

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